

Table 1. Total Energy Supply and Disposition Summary (1 of 2)
(Quadrillion Btu per Year, Unless Otherwise Noted)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Production																							
Crude Oil & Lease Condensate	12.43	12.29	12.28	12.29	11.71	11.46	11.12	10.91	10.81	10.54	10.27	10.05	9.90	9.84	10.13	10.29	10.42	10.68	10.89	10.92	10.61	10.48	-0.8%
Natural Gas Plant Liquids	2.65	2.71	2.57	2.69	2.85	3.01	3.04	3.09	3.13	3.21	3.28	3.35	3.41	3.48	3.56	3.62	3.68	3.74	3.80	3.85	3.91	3.95	1.9%
Dry Natural Gas	19.20	19.59	19.81	20.10	20.65	21.15	21.47	21.86	22.25	22.84	23.37	23.93	24.48	25.01	25.64	26.14	26.57	27.04	27.49	27.92	28.32	28.54	1.9%
Coal	23.15	22.58	24.21	23.68	24.04	24.51	24.98	25.42	25.99	26.12	26.22	26.27	26.36	26.43	26.47	26.53	26.65	26.76	26.96	27.09	27.36	27.58	1.0%
Nuclear Power	7.74	8.03	8.15	8.13	8.08	8.09	8.10	8.11	7.92	7.90	7.91	7.87	7.81	7.75	7.80	7.49	7.37	7.37	7.31	7.31	7.31	7.31	-0.5%
Renewable Energy 1/	6.69	6.46	6.04	6.82	7.15	7.25	7.37	7.49	7.57	7.62	7.71	7.85	7.97	8.09	8.19	8.29	8.39	8.52	8.60	8.70	8.78	8.90	1.6%
Other 2/	1.66	1.10	1.07	0.91	0.60	0.52	0.50	0.46	0.55	0.44	0.64	0.46	0.71	0.58	0.70	0.53	0.53	0.47	0.47	0.52	0.41	0.40	-4.9%
Total	73.50	72.76	74.11	74.62	75.18	76.00	76.58	77.33	78.22	78.67	79.40	80.64	81.18	82.30	82.89	83.62	84.57	85.51	86.31	86.70	87.13	87.33	0.9%
Imports																							
Crude Oil 3/	19.96	19.69	19.69	20.84	21.30	22.46	23.66	24.01	24.59	25.28	25.79	26.11	26.28	26.43	26.28	26.14	26.16	26.07	26.02	26.15	26.62	26.92	1.8%
Petroleum Products 4/	4.19	4.73	4.90	4.63	5.67	5.75	5.74	6.10	6.17	6.62	7.06	7.92	8.67	9.47	9.91	10.63	11.14	11.66	12.17	12.70	13.24	13.83	5.6%
Natural Gas	3.66	3.85	4.00	4.10	4.40	4.72	4.97	5.17	5.33	5.47	5.61	5.75	5.87	5.99	6.13	6.25	6.34	6.39	6.44	6.46	6.48	6.47	2.6%
Other Imports 5/	0.56	0.78	0.85	0.84	0.94	0.95	1.04	0.97	0.92	0.91	0.91	0.94	0.97	0.99	1.02	1.03	1.08	1.07	1.07	1.07	1.07	1.07	1.7%
Total	27.37	29.04	29.45	30.41	32.30	33.88	35.41	36.25	37.01	38.27	39.37	40.72	41.79	42.88	43.33	44.04	44.71	45.19	45.89	46.39	47.42	48.28	2.8%
Exports																							
Petroleum 6/	1.96	2.15	2.05	2.05	1.68	1.70	1.72	1.76	1.81	1.83	1.83	1.89	1.88	1.92	1.84	1.97	2.00	2.03	2.07	2.09	2.10	2.10	-0.1%
Natural Gas	0.16	0.25	0.24	0.27	0.31	0.35	0.41	0.46	0.53	0.61	0.62	0.63	0.64	0.65	0.66	0.66	0.66	0.65	0.64	0.62	0.60	0.56	4.2%
Coal	1.52	1.63	1.39	1.44	1.42	1.41	1.41	1.41	1.42	1.42	1.43	1.41	1.44	1.44	1.38	1.36	1.34	1.35	1.36	1.37	1.38	1.38	-0.5%
Total	3.64	3.93	3.67	3.76	3.41	3.47	3.54	3.63	3.76	3.86	3.88	3.93	3.96	4.01	3.98	3.99	3.99	4.02	4.05	4.08	4.07	4.06	0.2%
Discrepancy 7/	0.13	-1.41	1.58	0.19	-0.30	-0.17	-0.04	0.10	0.34	0.29	0.34	0.29	0.34	0.25	0.29	0.16	0.11	0.04	0.02	0.02	-0.04	-0.04	N/A
Consumption																							
Petroleum Products 8/	38.25	38.62	38.52	38.76	40.37	41.31	42.13	42.70	43.38	44.22	45.06	46.00	47.03	47.92	48.85	49.37	50.12	50.83	51.54	52.32	53.01	53.78	1.7%
Natural Gas	22.57	23.43	22.81	24.54	25.23	25.89	26.29	26.71	27.68	27.65	28.19	28.77	29.44	30.07	30.83	31.46	31.98	32.51	33.02	33.49	33.94	34.17	1.9%
Coal	21.56	22.34	22.38	22.46	23.09	23.59	24.08	24.53	25.09	25.22	25.30	25.40	25.49	25.55	25.66	25.76	25.90	26.02	26.21	26.34	26.62	26.83	0.9%
Nuclear Power	7.74	8.03	8.15	8.13	8.08	8.09	8.10	8.11	7.92	7.90	7.91	7.87	7.81	7.75	7.80	7.49	7.37	7.37	7.31	7.31	7.31	7.31	-0.5%
Renewable Energy 1/	6.70	6.48	6.06	6.84	7.15	7.25	7.38	7.49	7.56	7.63	7.72	7.86	7.98	8.10	8.20	8.30	8.40	8.52	8.60	8.71	8.79	8.91	1.6%
Other 9/	0.28	0.39	0.39	0.35	0.43	0.44	0.52	0.44	0.38	0.35	0.35	0.37	0.39	0.40	0.42	0.42	0.46	0.45	0.44	0.43	0.42	0.42	0.4%
Total	97.10	99.28	98.30	101.08	104.36	106.58	108.48	109.97	111.43	112.97	114.55	116.28	118.14	119.79	121.36	122.79	124.23	125.70	127.13	128.60	130.09	131.42	1.4%
Net Imports - Petroleum	21.19	22.28	22.55	23.42	25.29	26.50	27.67	28.36	28.95	30.07	31.02	32.14	33.06	33.98	34.25	34.79	35.30	35.70	36.12	36.76	37.76	38.66	2.8%
Prices (2000 dollars per unit)																							
World Oil Price (dollars per barrel) 10/	17.60	27.72	22.48	17.36	17.23	17.31	17.41	17.52	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	-2.2%
Natural Gas Wellhead Price (dollars per Mcf) 11/	2.27	3.60	3.94	2.18	2.35	2.43	2.47	2.49	2.57	2.63	2.70	2.76	2.84	2.89	2.93	2.97	2.99	3.01	3.02	3.05	3.07	3.07	-0.8%
Coal Mine-mouth Price (dollars per ton)	17.01	16.45	16.16	16.03	15.49	15.52	15.21	14.86	14.59	14.39	14.15	13.96	13.72	13.62	13.54	13.40	13.27	13.18	13.04	12.88	12.77	12.67	-1.3%
Average Electricity (cents per kilowatt-hour)	6.7	6.3	7.1	6.7	6.4	6.4	6.3	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.3	6.3	6.3	6.3	6.3	6.4	6.4	6.4	-0.4%

1/ Includes grid-connected electricity from conventional hydroelectric, wood and wood waste, landfill gas, municipal solid waste, other biomass, wind, photovoltaic and solar thermal sources; non-electric energy from renewable sources, such as active and passive solar systems, and wood, and both the ethanol and gasoline components of E85, but not the ethanol components of blends less than 85 percent. Excludes electricity imports using renewable sources and nonmarketed renewable energy. See Table 18 for selected nonmarketed residential and commercial renewable energy.

2/ Includes liquid hydrogen, methanol, supplemental natural gas, and some domestic inputs to refineries.

3/ Includes imports of crude oil for the Strategic Petroleum Reserve.

4/ Includes imports of finished petroleum products, imports of unfinished oils, alcohols, ethers, and blending components.

5/ Includes coal, coal coke (net), and electricity (net).

6/ Includes crude oil and petroleum products.

7/ Balancing item. Includes unaccounted for supply, losses, gains, net storage withdrawals, and heat loss when natural gas is converted to liquid fuel.

**Table 1. Total Energy Supply and Disposition Summary (2 of 2)
(Quadrillion Btu per Year, Unless Otherwise Noted)**

8/ Includes natural gas plant liquids, crude oil consumed as a fuel, and nonpetroleum-based liquids for blending, such as ethanol.
9/ Includes net electricity imports, methanol, and liquid hydrogen.

10/ Average refiner acquisition cost for imported crude oil.
11/ Represents lower 48 onshore and offshore supplies.

Btu = British thermal unit.
Mcf = Thousand cubic feet.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 1999 and 2000 are model results and may differ slightly from official EIA data reports.
Sources: 1999 natural gas values: Energy Information Administration (EIA), Natural Gas Annual 1999, DOE/EIA-0131(99) (Washington, DC, October 2000). 1999 coal
minemouth prices: EIA, Coal Industry Annual 1999, DOE/EIA-0584(99) (Washington, DC, June 2001). Other 1999 values: EIA, Annual Energy Review 2000, DOE/EIA-0384(2000)
(Washington, DC, August 2001). 2000 natural gas values: EIA, Natural Gas Monthly, DOE/EIA-0130(2001/06) (Washington, DC, June 2001). 2000 petroleum values: EIA,
Natural Gas Monthly, DOE/EIA-0130(2001/06) (Washington, DC, June 2001). 2000 petroleum values: EIA, Petroleum Supply Annual 2000, DOE/EIA-0340(2000/01)
(Washington, DC, June 2001). Other 2000 values: EIA, Annual Energy Review 2000, DOE/EIA-0384(2000) (Washington, DC, August 2001) and EIA, Quarterly Cost
Report, DOE/EIA-0121(2000/4Q) (Washington, DC, October-December 2000). Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 2. Energy Consumption by Sector and Source (1 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020-2021
Energy Consumption																							
Residential																							
Distillate Fuel	0.81	0.82	0.87	0.86	0.88	0.88	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.82	0.82	0.81	0.81	0.80	0.80	0.80	0.80	0.80	-0.2%
Kerosene	0.11	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	-1.2%
Liquefied Petroleum Gas	0.53	0.47	0.44	0.44	0.45	0.45	0.45	0.46	0.46	0.46	0.46	0.47	0.46	0.46	0.46	0.46	0.46	0.45	0.45	0.45	0.45	0.45	-0.2%
Petroleum Subtotal	1.46	1.38	1.40	1.39	1.41	1.42	1.42	1.41	1.40	1.39	1.38	1.37	1.36	1.36	1.35	1.34	1.33	1.32	1.32	1.32	1.32	1.32	-0.2%
Natural Gas	4.86	5.14	5.19	5.37	5.51	5.58	5.57	5.60	5.64	5.68	5.70	5.73	5.77	5.82	5.84	5.88	5.92	5.97	6.00	6.05	6.11	6.19	0.9%
Coal	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.0%
Renewable Energy 1/	0.40	0.43	0.42	0.42	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.45	0.2%
Electricity	3.91	4.07	4.20	4.30	4.45	4.56	4.63	4.69	4.75	4.83	4.87	4.94	5.00	5.09	5.15	5.22	5.31	5.39	5.46	5.54	5.62	5.72	1.7%
Delivered Energy	10.67	11.06	11.28	11.54	11.85	12.04	12.10	12.18	12.27	12.38	12.43	12.52	12.62	12.76	12.83	12.93	13.05	13.19	13.27	13.40	13.54	13.72	1.1%
Electricity Related Losses	8.44	8.79	9.00	9.21	9.54	9.72	9.85	9.88	9.86	9.88	9.89	9.93	9.97	10.07	10.13	10.20	10.28	10.36	10.42	10.50	10.60	10.71	1.0%
Total	19.10	19.85	20.25	20.75	21.38	21.76	21.95	22.07	22.13	22.27	22.32	22.45	22.60	22.83	22.96	23.13	23.32	23.55	23.89	23.90	24.14	24.43	1.0%
Commercial																							
Distillate Fuel	0.42	0.38	0.40	0.40	0.42	0.43	0.44	0.45	0.45	0.46	0.46	0.47	0.47	0.48	0.48	0.49	0.49	0.49	0.49	0.49	0.50	0.50	1.4%
Residual Fuel	0.09	0.14	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.0%
Kerosene	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	1.4%
Liquefied Petroleum Gas	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	1.0%
Motor Gasoline 2/	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-0.5%
Petroleum Subtotal	0.65	0.65	0.64	0.65	0.67	0.69	0.70	0.71	0.72	0.73	0.73	0.74	0.75	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.80	0.80	1.0%
Natural Gas	3.14	3.36	3.41	3.53	3.68	3.77	3.81	3.86	3.91	3.96	4.01	4.06	4.11	4.16	4.21	4.26	4.32	4.38	4.44	4.51	4.57	4.63	1.6%
Coal	0.07	0.07	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.7%
Renewable Energy 3/	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.0%
Electricity	3.77	3.90	4.00	4.07	4.21	4.35	4.48	4.60	4.72	4.83	4.94	5.06	5.17	5.29	5.40	5.52	5.63	5.74	5.84	5.94	6.05	6.15	2.3%
Delivered Energy	7.70	8.07	8.18	8.39	8.70	8.95	9.13	9.31	9.49	9.67	9.84	10.01	10.19	10.36	10.53	10.71	10.88	11.05	11.22	11.40	11.57	11.74	1.9%
Electricity Related Losses	8.13	8.42	8.56	8.72	9.02	9.27	9.51	9.68	9.79	9.90	10.04	10.16	10.31	10.47	10.64	10.78	10.90	11.01	11.16	11.28	11.41	11.51	1.6%
Total	15.84	16.49	16.74	17.11	17.72	18.23	18.64	19.00	19.28	19.56	19.87	20.19	20.50	20.83	21.17	21.48	21.78	22.06	22.38	22.67	22.98	23.26	1.7%
Industrial 4/																							
Distillate Fuel	1.08	1.11	1.10	1.10	1.14	1.16	1.18	1.18	1.18	1.20	1.22	1.24	1.26	1.27	1.29	1.30	1.32	1.33	1.35	1.37	1.39	1.41	1.2%
Liquefied Petroleum Gas	2.28	2.36	2.19	2.35	2.46	2.50	2.54	2.55	2.59	2.61	2.66	2.69	2.76	2.80	2.82	2.84	2.85	2.89	2.90	2.92	2.94	3.01	1.2%
Petrochemical Feedstocks	1.31	1.32	1.15	1.26	1.32	1.34	1.36	1.38	1.40	1.42	1.44	1.46	1.50	1.52	1.53	1.54	1.55	1.56	1.57	1.58	1.59	1.60	1.0%
Residual Fuel	0.25	0.27	0.19	0.16	0.16	0.18	0.19	0.22	0.22	0.26	0.27	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.31	0.8%
Motor Gasoline 2/	0.15	0.21	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.24	0.24	0.24	0.25	0.25	0.26	0.26	0.26	0.27	0.27	0.27	1.2%
Other Petroleum 5/	4.35	3.96	3.97	4.12	4.27	4.36	4.42	4.46	4.58	4.62	4.67	4.79	4.87	4.88	4.95	4.98	5.07	5.11	5.15	5.22	5.28	5.32	1.5%
Petroleum Subtotal	9.40	9.23	8.83	9.22	9.57	9.77	9.92	10.02	10.20	10.35	10.49	10.69	10.90	11.00	11.13	11.21	11.34	11.44	11.52	11.65	11.76	11.92	1.3%
Natural Gas 6/	9.95	9.79	9.04	9.90	10.10	10.23	10.36	10.52	10.65	10.78	10.93	11.02	11.18	11.29	11.39	11.52	11.59	11.68	11.77	11.87	11.95	11.91	1.0%
Metallurgical Coal	0.75	0.77	0.71	0.72	0.71	0.70	0.69	0.68	0.68	0.67	0.66	0.64	0.63	0.62	0.61	0.60	0.59	0.58	0.57	0.56	0.55	0.54	-1.8%
Steam Coal	1.69	1.69	1.69	1.64	1.67	1.69	1.71	1.71	1.72	1.72	1.73	1.74	1.75	1.76	1.77	1.77	1.78	1.80	1.81	1.83	1.84	1.85	0.4%
Net Coal Coke Imports	0.08	0.08	0.05	0.05	0.06	0.07	0.08	0.08	0.09	0.10	0.10	0.11	0.12	0.12	0.13	0.14	0.14	0.15	0.15	0.16	0.16	0.17	4.9%
Coal Subtotal	2.50	2.53	2.45	2.41	2.44	2.46	2.48	2.48	2.49	2.49	2.49	2.49	2.50	2.51	2.51	2.51	2.52	2.52	2.53	2.54	2.55	2.55	0.0%
Renewable Energy 7/	2.29	2.41	2.41	2.47	2.54	2.60	2.67	2.73	2.79	2.80	2.85	2.90	2.97	3.03	3.09	3.14	3.19	3.25	3.30	3.35	3.40	3.44	1.8%
Electricity	3.61	3.65	3.49	3.51	3.63	3.72	3.81	3.88	3.97	4.05	4.11	4.21	4.29	4.36	4.42	4.49	4.54	4.61	4.67	4.73	4.79	4.84	1.4%
Delivered Energy	27.75	27.62	26.22	27.51	28.29	28.79	29.24	29.63	30.10	30.46	30.87	31.31	31.85	32.19	32.55	32.86	33.19	33.50	33.79	34.14	34.45	34.67	1.1%
Electricity Related Losses	7.60	7.88	7.48	7.52	7.78	7.94	8.09	8.18	8.23	8.28	8.35	8.46	8.56	8.63	8.71	8.76	8.80	8.84	8.92	8.98	9.04	9.07	0.7%
Total	35.54	35.60	33.70	35.03	36.06	36.73	37.30	37.81	38.33	38.75	39.22	39.77	40.41	40.82	41.26	41.62	41.98	42.34	42.71	43.12	43.49	43.74	1.0%

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(Quadrillion Btu per Year, Unless Otherwise Noted)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-	
Transportation																								
Distillate Fuel 8/	5.16	5.42	5.60	5.71	5.95	6.16	6.37	6.52	6.68	6.87	7.07	7.27	7.49	7.65	7.81	7.95	8.09	8.22	8.36	8.49	8.61	8.71	2.4%	
Jet Fuel 9/	3.46	3.58	3.69	3.58	3.72	3.81	3.91	3.99	4.08	4.21	4.34	4.48	4.62	4.75	4.88	5.01	5.15	5.29	5.44	5.58	5.73	5.86	2.9%	
Motor Gasoline 2/	15.86	16.05	16.19	16.53	17.14	17.48	17.83	18.12	18.43	18.80	19.16	19.51	19.88	20.23	20.56	20.84	21.12	21.42	21.69	21.96	22.23	22.47	1.3%	
Residual Fuel	0.93	1.14	1.03	1.06	1.06	1.07	1.07	1.07	1.07	1.08	1.08	1.08	1.08	1.09	1.09	1.09	1.09	1.09	1.10	1.10	1.10	1.10	-0.2%	
Liquefied Petroleum Gas	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	4.1%	
Other Petroleum 10/	0.22	0.22	0.24	0.24	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.28	0.28	0.29	0.29	0.29	0.29	0.29	1.4%	
Petroleum Subtotal	25.65	26.42	26.58	27.15	28.14	28.78	29.45	29.98	30.54	31.23	31.94	32.64	33.37	34.03	34.65	35.20	35.76	36.34	36.91	37.46	38.01	38.49	1.9%	
Pipeline Fuel Natural Gas	0.75	0.79	0.79	0.77	0.79	0.80	0.80	0.81	0.82	0.83	0.84	0.86	0.86	0.89	0.91	0.93	0.94	0.96	0.97	0.98	0.99	1.00	1.2%	
Compressed Natural Gas	0.02	0.02	0.03	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.08	0.08	0.09	0.10	0.11	0.12	0.12	0.12	0.13	0.13	0.14	0.14	9.3%	
Renewable Energy (EES) 11/	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	4.8%	
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Electricity	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.11	0.11	3.1%
Delivered Energy	26.49	27.32	27.49	28.05	29.05	29.72	30.41	30.95	31.54	32.25	32.98	33.70	34.46	35.14	35.80	36.38	36.96	37.57	38.15	38.72	39.29	39.78	1.9%	
Electricity Related Losses	0.13	0.13	0.13	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.17	0.17	0.17	0.18	0.18	0.19	0.19	0.20	0.20	2.3%	
Total	26.61	27.45	27.62	28.18	29.20	29.87	30.56	31.10	31.69	32.40	33.14	33.86	34.63	35.31	36.07	36.55	37.13	37.75	38.34	38.92	39.49	39.98	1.9%	
Delivered Energy Consumption, All Sectors																								
Distillate Fuel	7.47	7.73	7.97	8.07	8.39	8.63	8.87	9.01	9.18	9.37	9.59	9.81	10.04	10.23	10.40	10.55	10.70	10.85	11.00	11.15	11.29	11.42	2.0%	
Kerosene	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	-0.4%	
Jet Fuel 9/	3.46	3.58	3.49	3.58	3.72	3.81	3.91	3.99	4.08	4.21	4.34	4.48	4.62	4.75	4.88	5.01	5.15	5.29	5.44	5.58	5.73	5.86	2.9%	
Liquefied Petroleum Gas	2.90	2.93	2.73	2.89	3.01	3.08	3.10	3.12	3.16	3.19	3.24	3.28	3.35	3.39	3.41	3.43	3.44	3.46	3.49	3.51	3.53	3.61	1.0%	
Motor Gasoline 2/	16.04	16.29	16.44	16.78	17.39	17.74	18.09	18.38	18.68	19.05	19.42	19.77	20.15	20.50	20.83	21.11	21.40	21.70	21.98	22.25	22.53	22.77	1.3%	
Petroleum Feedstocks	1.31	1.32	1.15	1.28	1.32	1.34	1.36	1.38	1.40	1.42	1.44	1.46	1.50	1.52	1.53	1.54	1.55	1.56	1.57	1.58	1.59	1.60	1.0%	
Residual Fuel	1.28	1.54	1.33	1.33	1.34	1.36	1.38	1.40	1.41	1.46	1.47	1.48	1.49	1.50	1.50	1.51	1.52	1.51	1.52	1.53	1.53	1.55	0.0%	
Other Petroleum 12/	4.56	4.16	4.19	4.34	4.49	4.58	4.65	4.81	4.86	4.91	5.03	5.11	5.13	5.20	5.23	5.33	5.37	5.42	5.49	5.55	5.59	5.59	1.5%	
Petroleum Subtotal	37.15	37.69	37.45	38.41	39.79	40.66	41.49	42.11	42.86	43.69	44.54	45.44	46.39	47.15	47.90	48.52	49.21	49.89	50.54	51.21	51.88	52.53	1.7%	
Natural Gas 6/	16.71	16.11	16.46	16.61	16.91	17.11	17.24	17.36	17.46	17.54	17.61	17.67	17.72	17.76	17.79	17.81	17.82	17.82	17.82	17.82	17.82	17.82	17.82	1.1%
Metallurgical Coal	0.75	0.77	0.71	0.72	0.71	0.70	0.69	0.68	0.68	0.68	0.67	0.66	0.64	0.63	0.62	0.61	0.60	0.59	0.58	0.57	0.56	0.55	-1.8%	
Steam Coal	1.80	1.80	1.80	1.75	1.78	1.80	1.82	1.83	1.84	1.84	1.85	1.86	1.87	1.89	1.89	1.90	1.91	1.92	1.94	1.95	1.96	1.98	0.5%	
Net Coal Coke Imports	0.06	0.06	0.05	0.05	0.06	0.07	0.08	0.08	0.09	0.10	0.10	0.10	0.12	0.12	0.13	0.14	0.14	0.15	0.15	0.16	0.16	0.17	4.9%	
Coal Subtotal	2.61	2.64	2.55	2.52	2.55	2.57	2.59	2.60	2.60	2.61	2.61	2.61	2.63	2.63	2.63	2.63	2.64	2.65	2.66	2.67	2.68	2.68	0.1%	
Renewable Energy 13/	2.79	2.93	2.93	3.00	3.07	3.13	3.21	3.27	3.33	3.34	3.39	3.45	3.52	3.59	3.64	3.70	3.75	3.81	3.86	3.92	3.97	4.01	1.6%	
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Electricity	11.34	11.69	11.76	11.95	12.37	12.70	12.99	13.25	13.51	13.78	14.00	14.28	14.55	14.82	15.08	15.32	15.57	15.83	16.08	16.31	16.57	16.82	1.8%	
Delivered Energy	72.60	74.06	73.14	75.49	77.89	79.51	80.88	82.08	83.40	84.76	86.12	87.54	89.12	90.46	91.70	92.88	94.07	95.30	96.44	97.66	98.85	99.92	1.5%	
Electricity Related Losses	24.50	25.22	25.16	25.59	26.47	27.08	27.59	27.89	28.03	28.22	28.44	28.74	29.01	29.33	29.66	29.91	30.16	30.39	30.68	30.95	31.24	31.50	1.1%	
Total	97.10	99.28	98.30	101.08	104.36	106.59	108.48	109.97	111.43	112.97	114.55	116.28	118.14	119.79	121.36	122.79	124.23	125.70	127.13	128.60	130.09	131.42	1.4%	
Electricity Generators 14/																								
Distillate Fuel	0.09	0.08	0.10	0.06	0.07	0.08	0.08	0.07	0.06	0.06	0.06	0.07	0.16	0.28	0.18	0.23	0.27	0.29	0.35	0.44	0.48	0.58	10.7%	
Residual Fuel	1.01	0.86	0.97	0.29	0.51	0.58	0.57	0.53	0.46	0.47	0.46	0.49	0.48	0.52	0.57	0.62	0.64	0.65	0.65	0.67	0.66	0.68	-1.2%	
Petroleum Subtotal	1.10	0.93	1.08	0.35	0.58	0.66	0.64	0.59	0.52	0.53	0.51	0.56	0.64	0.77	0.75	0.84	0.91	0.97	1.00	1.10	1.13	1.25	1.5%	
Natural Gas	3.86	4.32	4.35	4.92	5.12	5.45	5.68	5.85	6.01	6.32	6.63	7.02	7.40	7.80	8.37	8.75	9.09	9.39	9.71	9.95	10.18	10.30	4.4%	
Steam Coal	18.95	19.69	19.82	19.94	20.54	21.02	21.47	21.93	22.48	22.62	22.72	22.79	22.86	22.92	23.03	23.12	23.26	23.37	23.56	23.68	23.94	24.15	1.0%	
Nuclear Power	7.74	8.03	8.15	8.13	8.08	8.09	8.10	8.11	7.92	7.90	7.91	7.87	7.81	7.75	7.80	7.89	7.97	7.97	7.91	7.91	7.91	7.91	-0.5%	
Renewable Energy 15/	3.91	3.55	3.13	3.94	4.08	4.12	4.17	4.22	4.25	4.28	4.33	4.41	4.46	4.51	4.56	4.60	4.65	4.72	4.74	4.80	4.83	4.89	1.8%	
Electricity Imports 16/	0.28	0.38	0.38	0.35	0.43	0.43	0.51	0.43	0.37	0.35	0.35	0.41	0.39	0.40	0.41	0.42	0.45	0.44	0.43	0.42	0.41	0.41	0.4%	
Total	36.84	36.91	36.91	37.54	38.84	39.78	40.58	41.14	41.55	41.99	42.44	43.02	43.56	44.16	44.72	45.23	45.73	46.23	46.75	47.26	47.81	48.32	1.4%	

Table 2. Energy Consumption by Sector and Source (3 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Total Energy Consumption																							
Diesel Fuel	7.56	7.80	8.08	8.13	8.45	8.71	8.94	9.08	9.24	9.43	9.64	9.88	10.20	10.48	10.58	10.78	10.97	11.14	11.35	11.59	11.77	11.99	2.2%
Kerosene	0.16	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	-0.4%
Jet Fuel 2/	3.46	3.58	3.49	3.58	3.72	3.91	3.91	3.99	4.08	4.21	4.34	4.48	4.62	4.75	4.88	5.01	5.15	5.29	5.44	5.58	5.73	5.86	2.9%
Liquefied Petroleum Gas	2.90	2.93	2.73	2.89	3.01	3.06	3.10	3.12	3.16	3.19	3.24	3.28	3.35	3.39	3.41	3.43	3.44	3.48	3.49	3.51	3.53	3.61	1.0%
Motor Gasoline 2/	16.04	16.29	16.44	16.78	17.39	17.74	18.09	18.38	18.68	19.05	19.42	19.77	20.15	20.50	20.83	21.11	21.40	21.70	21.98	22.25	22.53	22.77	1.7%
Petrochemical Feedstocks	1.31	1.32	1.15	1.28	1.32	1.34	1.36	1.38	1.40	1.42	1.44	1.46	1.50	1.52	1.53	1.54	1.55	1.56	1.57	1.58	1.59	1.60	1.0%
Residual Fuel	2.27	2.40	2.30	1.63	1.85	1.94	1.93	1.87	1.92	1.97	1.97	1.97	1.97	2.02	2.07	2.13	2.15	2.16	2.17	2.19	2.19	2.23	-0.4%
Other Petroleum 12/	4.56	4.76	4.19	4.34	4.49	4.58	4.65	4.69	4.81	4.86	4.91	5.03	5.11	5.13	5.20	5.23	5.33	5.42	5.49	5.55	5.59	5.58	1.9%
Petroleum Subtotal	38.25	38.62	38.52	38.76	40.37	41.31	42.13	42.70	43.38	44.22	45.06	46.00	47.03	47.92	48.65	49.37	50.12	50.83	51.54	52.32	53.01	53.78	1.7%
Natural Gas	22.57	23.43	22.81	24.54	25.23	25.89	26.29	26.71	27.09	27.65	28.19	28.77	29.44	30.07	30.83	31.46	32.51	33.02	33.49	33.94	34.34	34.77	1.9%
Metallurgical Coal	0.75	0.77	0.71	0.72	0.71	0.70	0.69	0.68	0.68	0.67	0.66	0.64	0.63	0.62	0.61	0.60	0.59	0.58	0.57	0.56	0.55	0.54	-1.8%
Steam Coal	20.75	21.50	21.62	21.69	22.32	22.82	23.29	23.76	24.32	24.46	24.57	24.65	24.73	24.81	24.93	25.02	25.17	25.30	25.49	25.63	25.91	26.13	1.0%
Net Coal Coke Imports	0.06	0.06	0.05	0.05	0.06	0.07	0.08	0.08	0.08	0.09	0.10	0.10	0.11	0.12	0.12	0.13	0.14	0.15	0.15	0.16	0.16	0.17	4.9%
Coal Subtotal	21.56	22.34	22.38	22.46	23.09	23.69	24.06	24.53	25.09	25.22	25.33	25.40	25.49	25.55	25.66	25.76	25.90	26.02	26.21	26.34	26.62	26.83	0.9%
Nuclear Power ^{3/}	7.74	8.03	8.15	8.13	8.08	8.09	8.10	8.11	7.92	7.90	7.91	7.97	7.81	7.75	7.80	7.49	7.37	7.37	7.31	7.31	7.31	7.31	-0.5%
Renewable Energy 17/	6.70	6.48	6.06	6.84	7.15	7.25	7.38	7.49	7.58	7.63	7.72	7.86	7.98	8.10	8.20	8.30	8.40	8.52	8.60	8.71	8.79	8.91	1.6%
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electricity Imports 16/	0.28	0.38	0.38	0.35	0.43	0.43	0.51	0.43	0.37	0.35	0.35	0.37	0.39	0.40	0.41	0.42	0.45	0.44	0.43	0.43	0.42	0.41	0.4%
Total	97.10	99.28	98.30	101.08	104.36	106.58	108.48	109.97	111.43	112.97	114.55	116.28	118.14	119.79	121.36	122.79	124.23	125.70	127.13	128.60	130.09	131.42	1.4%
Energy Use & Related Statistics																							
Delivered Energy Use	72.60	74.06	73.14	75.49	77.89	79.51	80.88	82.08	83.40	84.76	86.12	87.54	89.12	90.46	91.70	92.88	94.07	95.30	96.44	97.66	98.85	99.92	1.5%
Total Energy Use	97.10	99.28	98.30	101.08	104.36	106.58	108.48	109.97	111.43	112.97	114.55	116.28	118.14	119.79	121.36	122.79	124.23	125.70	127.13	128.60	130.09	131.42	1.4%
Population (millions)	273.25	275.69	278.18	280.68	283.17	285.64	288.09	290.53	292.96	295.38	297.81	300.24	302.68	305.15	307.64	310.14	312.66	315.19	317.72	320.26	322.79	325.33	0.8%
US GDP (billion 1996 dollars)	8857	9224	9019	9624	9848	10132	10450	10738	11056	11463	11876	12319	12783	13175	13573	13987	14417	14860	15315	15748	16171	16591	3.0%
Carbon Dioxide Emissions (million metric tons carbon equivalent)	1517.2	1561.7	1560.8	1585.1	1638.6	1677.7	1710.0	1738.3	1769.9	1796.5	1821.8	1849.1	1878.8	1905.9	1932.6	1956.8	1981.5	2005.0	2030.6	2054.7	2080.4	2103.2	1.5%

1/ Includes wood used for residential heating. See Table 16 estimates of nonmarketed renewable energy consumption for geothermal heat pumps, solar thermal hot water heating, and solar photovoltaic electricity generation.

2/ Includes ethanol (blends of 10 percent or less) and ethers blended into gasoline.

3/ Includes commercial sector electricity cogenerated by using wood and wood waste, landfill gas, municipal solid waste, and other biomass. See Table 18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating and solar photovoltaic electricity generation.

4/ Fuel consumption includes consumption for cogeneration, which produces electricity and other useful thermal energy.

5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, and miscellaneous petroleum products.

6/ Includes lease and plant fuel and consumption by cogenerators; excludes consumption by nonutility generators.

7/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass; includes cogeneration, both for sale to the grid and for own use.

8/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur.

9/ Includes only kerosene type.

10/ Includes aviation gas and lubricants.

11/ EBS is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).

12/ Includes unfinished oils, natural gasoline, motor gasoline blending compounds, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, and miscellaneous petroleum products.

13/ Includes electricity generated for sale to the grid and for own use from renewable sources, and non-electric energy from renewable sources. Excludes nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.

14/ Includes consumption of energy by all electric power generators for grid-connected power except cogenerators, which produce electricity and other useful thermal energy. Includes small power producers and exempt wholesale generators.

15/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, petroleum coke, wind, photovoltaic and solar thermal sources. Excludes cogeneration. Excludes net electricity imports.

16/ In 1999 approximately 70 percent of the U.S. electricity imports were provided by renewable sources (hydroelectric). EIA does not project future proportions for the fuel source of imported electricity.

17/ Includes hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, wind, photovoltaic and solar thermal sources. Includes ethanol components of EBS; excludes ethanol blends (10 percent or less) in motor gasoline. Excludes net electricity imports and nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.

Btu = British thermal unit.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 1999 and 2000 are model results and may differ slightly from official EIA data reports. Consumption values of 0.00 are values that round to 0.00, because they are less than 0.005.

Sources: 1999 natural gas lease, plant, and pipeline fuel values: Energy Information Administration (EIA), Natural Gas Annual, DOE/EIA-0131(99) (Washington, DC, October 2000). 1999 and 2000 electric utility fuel consumption: EIA, Electric Power Annual 1999, Volume I, DOE/EIA-0348(99)/1 (Washington, DC, August 2000). 1999 and 2000 nonutility consumption estimates: EIA, Form EIA-860B: "Annual Electric Generator Report - Nonutility."

Other 1999 values: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b. Other 2000 values: EIA, Short-Term Energy Outlook, October 2001, <http://www.eia.doe.gov/pub/forecasting/stero/oldstero/oc01.pdf>. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 3. Energy Prices by Sector and Source (1 of 2)
 (2000 Dollars per Million Btu, Unless Otherwise Noted)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020	
Residential	13.53	14.43	15.06	13.29	12.94	13.00	12.88	12.98	12.97	13.02	13.08	13.14	13.23	13.24	13.34	13.37	13.39	13.47	13.53	13.59	13.63	13.67	-0.3%	
Primary Energy 1/	6.89	8.26	9.02	6.93	6.86	6.94	6.97	6.95	6.90	6.92	6.93	6.94	6.96	6.99	7.04	7.06	7.07	7.08	7.09	7.09	7.10	7.10	-0.7%	
Petroleum Products 2/	7.85	10.78	10.00	9.48	8.58	8.59	8.61	8.67	8.65	8.67	8.73	8.81	8.85	8.91	8.91	8.94	8.96	8.98	8.98	8.98	8.99	8.99	-0.9%	
Distillate Fuel	6.39	9.42	9.04	8.21	6.86	6.87	6.85	6.85	6.78	6.77	6.84	6.84	6.85	6.84	6.86	7.01	7.03	7.06	7.06	7.06	7.06	7.06	-1.4%	
Liquefied Petroleum Gas	10.50	13.65	12.43	12.20	11.99	12.00	12.06	12.12	12.22	12.22	12.21	12.35	12.34	12.40	12.39	12.43	12.46	12.45	12.45	12.44	12.45	12.45	-0.9%	
Natural Gas	6.65	7.64	8.81	6.32	6.48	6.56	6.60	6.57	6.53	6.54	6.54	6.54	6.57	6.62	6.66	6.67	6.69	6.70	6.72	6.72	6.74	6.75	-0.6%	
Electricity	24.33	24.37	24.60	23.36	22.45	22.36	22.11	22.05	22.00	22.04	22.09	22.13	22.24	22.13	22.20	22.15	22.09	22.18	22.23	22.30	22.32	22.34	-0.4%	
Commercial	13.21	14.03	14.91	13.08	12.63	12.68	12.56	12.41	12.35	12.37	12.43	12.48	12.62	12.62	12.76	12.84	12.87	12.98	13.02	13.08	13.13	13.18	-0.3%	
Primary Energy 1/	5.25	6.31	7.29	5.15	5.15	5.24	5.27	5.26	5.22	5.24	5.25	5.26	5.30	5.34	5.40	5.43	5.46	5.48	5.50	5.51	5.54	5.56	-0.8%	
Petroleum Products 2/	5.15	7.19	6.46	5.18	5.25	5.24	5.23	5.25	5.21	5.20	5.24	5.26	5.25	5.24	5.34	5.38	5.41	5.44	5.44	5.44	5.47	5.49	-1.3%	
Distillate Fuel	4.48	7.08	5.92	4.68	4.63	4.60	4.61	4.53	4.53	4.54	4.59	4.61	4.59	4.57	4.73	4.78	4.82	4.88	4.88	4.88	4.92	4.94	-1.8%	
Residual Fuel	2.65	3.46	3.93	3.62	2.92	2.94	2.95	2.96	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.98	2.98	2.97	2.97	2.97	2.97	2.97	-0.8%	
Natural Gas 3/	5.34	6.23	7.55	5.03	5.19	5.30	5.34	5.33	5.28	5.31	5.32	5.33	5.37	5.43	5.47	5.50	5.53	5.56	5.57	5.59	5.62	5.64	-0.9%	
Electricity	21.37	22.12	22.74	21.35	20.47	20.43	20.00	19.62	19.44	19.39	19.42	19.44	19.61	19.50	19.67	19.69	19.69	19.79	19.85	19.93	19.96	20.02	-0.5%	
Industrial 4/	5.32	6.88	6.29	5.28	5.20	5.28	5.31	5.32	5.33	5.37	5.41	5.50	5.55	5.58	5.67	5.70	5.73	5.77	5.78	5.80	5.84	5.88	-0.8%	
Primary Energy	3.97	5.69	4.95	3.94	3.91	3.98	4.03	4.07	4.09	4.13	4.16	4.24	4.26	4.30	4.36	4.39	4.41	4.44	4.43	4.44	4.47	4.50	-1.2%	
Petroleum Products 2/	5.53	8.10	6.18	5.86	5.54	5.53	5.57	5.60	5.61	5.61	5.63	5.71	5.69	5.70	5.76	5.80	5.79	5.82	5.78	5.78	5.79	5.82	-1.6%	
Distillate Fuel	4.71	7.21	5.99	5.76	4.72	4.72	4.70	4.71	4.64	4.65	4.71	4.72	4.70	4.69	4.88	4.97	5.03	5.14	5.14	5.14	5.25	5.29	-1.9%	
Liquefied Petroleum Gas	8.77	11.73	7.72	7.47	7.47	7.50	7.54	7.59	7.65	7.64	7.63	7.82	7.81	7.84	7.83	7.83	7.82	7.83	7.82	7.81	7.81	7.82	-2.0%	
Residual Fuel	2.75	3.27	3.73	3.44	2.75	2.78	2.78	2.80	2.81	2.81	2.81	2.81	2.81	2.81	2.82	2.82	2.81	2.81	2.81	2.81	2.81	2.81	-0.7%	
Natural Gas 5/	3.00	4.31	4.62	2.59	2.81	2.97	3.05	3.09	3.11	3.18	3.24	3.31	3.37	3.43	3.48	3.53	3.57	3.60	3.62	3.65	3.68	3.72	-0.7%	
Metallurgical Coal	1.71	1.62	1.65	1.65	1.61	1.60	1.59	1.59	1.57	1.56	1.55	1.54	1.53	1.52	1.52	1.52	1.52	1.49	1.49	1.49	1.47	1.46	-0.9%	
Steam Coal	1.43	1.41	1.41	1.38	1.36	1.35	1.34	1.33	1.32	1.30	1.29	1.28	1.27	1.27	1.26	1.26	1.25	1.24	1.24	1.23	1.22	1.20	-0.8%	
Electricity	13.00	13.50	13.66	12.97	12.60	12.65	12.48	12.28	12.16	12.16	12.20	12.27	12.39	12.40	12.55	12.56	12.57	12.62	12.70	12.77	12.80	12.85	-0.2%	
Transportation	8.46	10.88	10.59	8.89	8.57	8.95	8.51	8.71	8.90	8.79	8.88	8.88	8.93	8.90	8.82	8.80	8.76	8.59	8.57	8.57	8.57	8.54	-1.2%	
Primary Energy	8.43	10.86	10.57	9.67	8.55	8.93	8.49	8.69	8.88	8.77	8.86	8.86	8.90	8.88	8.80	8.77	8.73	8.56	8.55	8.54	8.55	8.52	-1.2%	
Petroleum Products 2/	8.43	10.86	10.57	9.67	8.55	8.93	8.49	8.69	8.87	8.76	8.85	8.85	8.90	8.87	8.79	8.77	8.72	8.55	8.54	8.53	8.54	8.51	-1.2%	
Distillate Fuel 6/	8.36	10.81	10.46	9.84	8.52	8.92	8.37	8.67	8.97	8.78	8.78	8.91	8.99	8.96	8.98	8.93	8.89	8.69	8.75	8.79	8.83	8.84	-1.0%	
Jet Fuel 7/	4.81	7.36	5.93	5.69	4.66	4.69	4.60	4.63	4.63	4.59	4.68	4.69	4.69	4.91	4.91	4.96	4.99	4.98	4.99	4.99	5.09	5.08	-1.8%	
Motor Gasoline 8/	9.67	12.20	12.15	10.98	9.85	9.81	9.81	10.02	10.18	10.11	10.20	10.17	10.07	10.02	10.01	9.98	9.90	9.72	9.70	9.68	9.67	9.63	-1.2%	
Residual Fuel	2.59	4.38	3.50	3.21	2.54	2.55	2.57	2.58	2.59	2.59	2.59	2.59	2.58	2.58	2.58	2.58	2.58	2.57	2.57	2.57	2.57	2.57	-2.8%	
Liquefied Petroleum Gas 9/	13.09	15.91	14.05	13.80	13.23	13.23	13.27	13.37	13.45	13.41	13.37	13.48	13.44	13.52	13.48	13.54	13.49	13.48	13.42	13.42	13.40	13.35	-0.9%	
Natural Gas 10/	6.14	8.04	8.26	6.06	6.19	6.30	6.38	6.43	6.46	6.54	6.61	6.67	6.72	6.79	6.85	6.89	6.89	6.93	6.95	6.95	6.97	6.98	-0.7%	
Ethanol (E85) 11/	14.78	17.33	17.33	17.33	17.44	19.32	18.10	18.09	18.76	19.17	19.68	20.85	20.90	21.22	21.30	21.37	21.43	20.63	20.70	20.78	20.33	20.40	0.8%	
Electricity	20.95	21.79	21.05	20.11	17.99	17.16	16.32	15.94	16.40	16.96	17.54	17.93	18.41	18.69	19.02	19.20	19.20	18.18	18.46	18.18	18.46	18.10	17.69	-1.0%
Average End-Use Energy	8.64	10.40	10.39	9.17	8.60	8.64	8.62	8.88	8.75	8.73	8.80	8.84	8.90	8.91	8.94	8.96	8.96	8.93	8.94	8.97	9.00	9.02	-0.7%	
Primary Energy	8.41	8.41	8.25	7.24	6.50	6.55	6.56	6.67	6.76	6.74	6.81	6.85	6.89	6.91	6.90	6.91	6.91	6.84	6.84	6.85	6.87	6.88	-1.9%	
Electricity	19.72	20.21	20.70	19.60	18.86	18.82	18.53	18.30	18.19	18.18	18.22	18.25	18.38	18.31	18.44	18.44	18.42	18.51	18.57	18.65	18.68	18.73	-0.4%	
Electricity Generators 12/																								
Fossil Fuel Average	1.51	1.88	1.86	1.46	1.48	1.52	1.53	1.52	1.50	1.52	1.54	1.56	1.60	1.64	1.68	1.72	1.74	1.76	1.78	1.80	1.81	1.82	-0.1%	
Petroleum Products	2.59	4.34	3.94	3.75	2.88	2.91	2.93	2.93	2.91	2.91	2.91	2.94	3.08	3.19	3.13	3.20	3.26	3.29	3.35	3.43	3.47	3.55	-1.0%	
Distillate Fuel	4.22	6.88	5.53	5.20	4.12	4.13	4.11	4.15	4.06	4.07	4.12	4.06	3.98	4.00	4.17	4.26	4.31	4.37	4.38	4.37	4.37	4.40	-2.2%	
Residual Fuel	2.46	4.11	3.77	3.45	2.72	2.78	2.76	2.76	2.76	2.76	2.76	2.76	2.78	2.79	2.80	2.81	2.81	2.81	2.82	2.82	2.82	2.82	-1.9%	
Natural Gas	2.64	4.41	4.39	2.55	2.72	2.87	2.84	2.97	2.96	3.04	3.11	3.17	3.25	3.32	3.39	3.45	3.50	3.54	3.57	3.60	3.63	3.66	-0.9%	
Steam Coal	1.22	1.21	1.19	1.15	1.14	1.13	1.11	1.09	1.07	1.06	1.05	1.04	1.03	1.02	1.01	1.01	1.00	0.99	0.98	0.97	0.96	0.95	-1.2%	

Table 3. Energy Prices by Sector and Source (2 of 2)
(2000 Dollars per Million Btu, Unless Otherwise Noted)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Average Price to All Users 13/																							
Petroleum Products 2/	7.55	10.05	9.36	8.72	7.78	7.76	7.74	7.91	8.05	7.98	8.05	8.07	8.10	8.08	8.04	8.03	7.99	7.89	7.87	7.85	7.87	7.84	-1.2%
Distillate Fuel	7.26	9.93	9.41	8.89	7.65	7.61	7.51	7.75	8.04	7.84	7.97	8.03	8.28	8.26	8.09	8.06	8.07	7.92	7.93	7.93	7.95	7.93	-1.3%
Jet Fuel	4.81	7.38	5.93	5.69	4.66	4.69	4.60	4.63	4.59	4.68	4.69	4.69	4.91	4.91	4.91	4.96	4.99	4.98	4.99	4.99	5.09	5.08	-1.8%
Liquefied Petroleum Gas	9.12	12.06	8.60	8.32	8.24	8.27	8.32	8.37	8.43	8.42	8.41	8.59	8.56	8.59	8.67	8.67	8.56	8.56	8.55	8.54	8.54	8.53	-1.7%
Motor Gasoline 8/	9.67	12.20	12.15	10.98	9.85	9.81	9.81	10.02	10.18	10.11	10.19	10.17	10.07	10.02	10.01	9.98	9.90	9.72	9.70	9.68	9.67	9.63	-1.2%
Residual Fuel	2.55	4.11	3.65	3.30	2.63	2.66	2.67	2.68	2.68	2.69	2.68	2.69	2.69	2.69	2.70	2.71	2.70	2.71	2.70	2.70	2.70	2.71	-2.1%
Natural Gas	4.15	5.43	6.10	3.85	4.04	4.17	4.21	4.22	4.20	4.24	4.27	4.29	4.34	4.39	4.42	4.45	4.48	4.50	4.52	4.53	4.56	4.60	-0.8%
Coal	1.24	1.23	1.21	1.17	1.15	1.15	1.13	1.11	1.09	1.08	1.07	1.06	1.05	1.04	1.03	1.02	1.01	1.00	0.99	0.99	0.97	0.97	-1.2%
Ethanol (E85) 11/	14.78	17.33	17.33	17.33	17.44	19.32	18.10	18.09	18.76	19.17	19.68	20.85	20.95	21.22	21.30	21.37	21.43	20.63	20.70	20.78	20.33	20.40	0.8%
Electricity	18.72	20.21	20.70	19.60	18.86	18.82	18.63	18.30	18.19	18.18	18.22	18.25	18.38	18.31	18.44	18.44	18.42	18.51	18.57	18.65	18.68	18.73	-0.4%
Non-Renewable Energy Expenditures by Sector (billion 2000 dollars)																							
Residential	138.85	153.45	163.12	147.72	147.72	150.90	151.51	152.56	153.46	155.64	156.99	158.80	161.23	163.22	165.23	167.02	168.86	171.72	173.57	176.05	178.48	181.44	0.8%
Commercial	100.72	112.09	120.79	108.91	108.97	112.68	113.66	114.60	116.24	118.63	121.29	123.99	127.58	129.62	133.56	136.44	139.03	142.20	145.09	148.09	150.89	153.78	1.6%
Industrial	113.77	142.88	123.74	109.36	110.31	113.61	115.77	116.69	118.01	120.24	122.77	126.02	129.23	131.46	134.76	138.91	138.66	140.79	142.32	144.47	146.67	148.78	0.2%
Transportation	217.56	288.38	282.46	264.00	241.93	247.03	251.49	262.06	272.78	275.44	284.68	291.00	299.17	304.30	307.02	311.13	314.50	313.59	318.00	322.44	327.52	330.40	0.7%
Total Non-Renewable Expenditures	570.90	696.80	690.11	629.89	608.94	624.09	632.43	645.91	660.49	669.95	685.74	699.81	717.20	728.81	740.56	751.50	761.05	768.31	778.98	791.05	803.55	814.39	0.8%
Transportation Renewable Expenditures	0.17	0.31	0.37	0.35	0.35	0.40	0.44	0.48	0.52	0.57	0.61	0.68	0.70	0.75	0.78	0.81	0.84	0.84	0.87	0.89	0.90	0.92	5.7%
Total Expenditures	571.07	697.11	690.48	630.23	609.29	624.49	632.87	646.39	661.01	670.52	686.35	700.49	717.90	729.55	741.34	752.31	761.89	769.15	779.85	791.94	804.45	815.32	0.8%

1/ Weighted average price includes fuels below as well as coal.
2/ This quantity is the weighted average for all petroleum products, not just those listed below.
3/ Excludes independent power producers.
4/ Includes cogenerators.
5/ Excludes uses for lease and plant fuel.
6/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur. Price includes Federal and State taxes while excluding county and local taxes.
7/ Kerosene-type jet fuel. Price includes Federal and State taxes while excluding county and local taxes.
8/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
9/ Includes Federal and State taxes while excluding county and local taxes.
10/ Compressed natural gas used as a vehicle fuel. Price includes estimated motor vehicle fuel taxes.
11/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).
12/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy. Includes small power producers and exempt wholesale generators.
13/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.

Btu = British thermal unit.
Note: Data for 1999 and 2000 are model results and may differ slightly from official EIA data reports.
Sources: 1999 prices for gasoline, distillate, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 1999, http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/pma_historical.html (August 2000). 2000 prices for gasoline, distillate, and jet fuel are based on the preliminary Petroleum Marketing Annual 2000, http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_marketing_annual/current/pdf/pma01.pdf.
1999 and 2000 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditure Report 1997, DOE/EIA-0376(97) (Washington, DC, July 2000). 1999 residential, commercial, and transportation natural gas delivered prices: EIA, Natural Gas Annual 1999, DOE/EIA-0131(99) (Washington, DC, October 2000). 1999 electric generators natural gas delivered prices: Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," 1999 and 2000 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1994. 2000 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2001/06) (Washington, DC, June 2001). 1999 and 2000 coal prices based on EIA, Quarterly Coal Report, DOE/EIA-0121(2000/4Q) (Washington, DC, October-December 2000) and EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b. 1999 residential electricity prices derived from EIA, Short-Term Energy Outlook, October 2001, <http://www.eia.doe.gov/pub/forecasts/steo/steo01oct01.pdf>. 1999 and 2000 electricity prices for commercial, industrial, and transportation: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.
Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 4. Residential Sector Key Indicators and Consumption (2 of 2)
(Quadrillion Btu per Year, Unless Otherwise Noted)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020-2000
Marketed Renewables (wood) 5/	0.40	0.43	0.42	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.45	0.2%
Other Fuels 6/	0.15	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	-0.5%
Delivered Energy Consumption by End-Use																							
Space Heating	5.20	5.46	5.50	5.63	5.74	5.81	5.81	5.82	5.85	5.89	5.89	5.92	5.95	6.00	6.01	6.04	6.08	6.13	6.16	6.22	6.27	6.36	0.8%
Space Cooling	0.55	0.56	0.57	0.57	0.58	0.60	0.61	0.61	0.62	0.63	0.63	0.64	0.65	0.66	0.66	0.67	0.68	0.70	0.71	0.72	0.74	0.76	1.5%
Water Heating	1.93	1.95	1.97	2.01	2.06	2.09	2.08	2.09	2.09	2.10	2.09	2.09	2.09	2.09	2.09	2.08	2.08	2.08	2.07	2.07	2.06	2.07	0.3%
Refrigeration	0.43	0.43	0.43	0.42	0.40	0.39	0.38	0.37	0.36	0.36	0.35	0.34	0.34	0.33	0.33	0.33	0.32	0.32	0.32	0.32	0.32	0.32	-1.4%
Cooking	0.33	0.33	0.34	0.35	0.35	0.35	0.36	0.36	0.36	0.37	0.37	0.37	0.38	0.38	0.38	0.39	0.39	0.40	0.40	0.41	0.41	0.41	1.0%
Clothes Dryers	0.29	0.29	0.30	0.31	0.32	0.32	0.33	0.33	0.34	0.34	0.34	0.34	0.35	0.35	0.35	0.36	0.36	0.37	0.37	0.37	0.38	0.38	1.3%
Freezers	0.12	0.12	0.11	0.11	0.11	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	-1.5%
Lighting	0.34	0.35	0.36	0.38	0.39	0.41	0.42	0.43	0.43	0.44	0.45	0.46	0.46	0.47	0.47	0.48	0.48	0.49	0.50	0.50	0.51	0.51	1.9%
Clothes Washers	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-0.1%
Dishwashers	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	1.2%
Color Televisions	0.12	0.13	0.14	0.15	0.16	0.17	0.17	0.18	0.18	0.19	0.19	0.20	0.20	0.21	0.22	0.22	0.23	0.23	0.24	0.25	0.25	0.26	3.5%
Personal Computers	0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.11	0.11	4.6%
Furnace Fans	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	1.8%
Other Uses 7/	1.18	1.27	1.35	1.43	1.54	1.60	1.64	1.68	1.72	1.76	1.80	1.84	1.88	1.94	1.98	2.02	2.07	2.12	2.15	2.19	2.24	2.29	3.0%
Delivered Energy	10.67	11.06	11.26	11.54	11.85	12.04	12.10	12.18	12.27	12.38	12.43	12.52	12.62	12.76	12.83	12.93	13.05	13.19	13.27	13.40	13.54	13.72	1.1%
Electricity Related Losses	8.44	8.79	9.00	9.21	9.54	9.72	9.85	9.88	9.86	9.88	9.89	9.93	9.97	10.07	10.13	10.20	10.28	10.36	10.42	10.50	10.60	10.71	1.0%
Total Energy Consumption by End-Use																							
Space Heating	6.03	6.36	6.42	6.56	6.69	6.77	6.78	6.79	6.81	6.85	6.85	6.87	6.91	6.96	6.98	7.01	7.05	7.11	7.14	7.20	7.26	7.36	0.7%
Space Cooling	1.73	1.77	1.79	1.79	1.83	1.87	1.89	1.90	1.90	1.91	1.91	1.92	1.93	1.95	1.96	1.98	2.01	2.04	2.06	2.10	2.13	2.17	1.0%
Water Heating	2.80	2.83	2.85	2.90	2.96	2.99	2.98	2.98	2.98	2.96	2.94	2.92	2.91	2.91	2.89	2.88	2.86	2.85	2.83	2.82	2.81	2.81	0.0%
Refrigeration	1.37	1.36	1.35	1.31	1.27	1.23	1.19	1.16	1.12	1.09	1.06	1.03	1.01	0.99	0.98	0.96	0.95	0.94	0.94	0.93	0.93	0.93	-1.9%
Cooking	0.55	0.56	0.58	0.58	0.59	0.59	0.60	0.60	0.60	0.61	0.61	0.61	0.62	0.62	0.62	0.63	0.63	0.64	0.64	0.64	0.65	0.65	0.7%
Clothes Dryers	0.76	0.78	0.79	0.81	0.83	0.84	0.85	0.85	0.85	0.86	0.86	0.86	0.86	0.87	0.87	0.87	0.88	0.88	0.89	0.89	0.89	0.89	0.7%
Freezers	0.38	0.37	0.36	0.34	0.33	0.32	0.31	0.30	0.29	0.28	0.27	0.27	0.26	0.26	0.26	0.25	0.25	0.25	0.25	0.25	0.25	0.25	-1.9%
Lighting	1.08	1.11	1.14	1.18	1.23	1.27	1.30	1.32	1.33	1.35	1.36	1.37	1.38	1.40	1.41	1.42	1.43	1.44	1.44	1.45	1.46	1.47	1.4%
Clothes Washers	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	-0.6%
Dishwashers	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.7%
Color Televisions	0.39	0.42	0.44	0.46	0.49	0.52	0.54	0.56	0.57	0.58	0.59	0.60	0.61	0.63	0.64	0.65	0.67	0.68	0.70	0.71	0.73	0.75	3.0%
Personal Computers	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.23	0.24	0.25	0.25	0.26	0.27	0.28	0.29	0.29	0.30	0.31	0.31	4.1%
Furnace Fans	0.24	0.25	0.25	0.26	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.32	0.32	1.4%
Other Uses 7/	3.47	3.73	3.97	4.22	4.55	4.72	4.86	4.95	5.02	5.12	5.20	5.29	5.39	5.52	5.62	5.73	5.85	5.95	6.04	6.13	6.23	6.35	2.7%
Total	19.10	19.85	20.25	20.75	21.38	21.76	21.95	22.07	22.13	22.27	22.32	22.45	22.60	22.83	22.96	23.13	23.32	23.55	23.69	23.90	24.14	24.43	1.0%
Non-Marketed Renewables																							
Geothermal 8/	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	4.4%
Solar 9/	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	2.0%
Total	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.08	3.1%

1/ Does not include electric water heating portion of load.

2/ Includes small electric devices, heating elements, and motors.

3/ Includes such appliances as swimming pool heaters, outdoor grills, and outdoor lighting (natural gas).

4/ Includes such appliances as swimming pool and hot tub heaters.

5/ Includes wood used for primary and secondary heating in wood stoves or fireplaces as reported in the Residential Energy Consumption Survey 1997.

6/ Includes kerosene and coal.

7/ Includes all other uses listed above.

8/ Includes primary energy displaced by geothermal heat pumps in space heating and cooling applications.

9/ Includes primary energy displaced by solar thermal water heaters and electricity generated using photovoltaics.

Btu = British thermal unit.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 1999 and 2000 are model results and may differ slightly from official EIA data reports.

Source: 1999 and 2000: Energy Information Administration (EIA), Short-Term Energy Outlook, October 2001, <http://www.eia.doe.gov/pub/forecasting/stero/oldstoes/oc01.pdf>.

Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 5. Commercial Sector Key Indicators and Consumption (2 of 2)
(Quadrillion Btu per Year, Unless Otherwise Noted)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020
Delivered Energy Consumption by End-Use																							
Space Heating 1/	1.78	1.88	1.85	1.94	2.01	2.06	2.07	2.09	2.11	2.13	2.15	2.16	2.18	2.20	2.21	2.22	2.24	2.25	2.27	2.28	2.30	2.31	1.9%
Space Cooling 1/	0.49	0.47	0.49	0.47	0.48	0.49	0.50	0.50	0.51	0.52	0.52	0.53	0.53	0.54	0.54	0.55	0.56	0.56	0.57	0.57	0.58	0.58	1.3%
Water Heating 1/	0.87	0.87	0.86	0.89	0.93	0.96	0.97	0.99	1.00	1.02	1.03	1.05	1.06	1.08	1.09	1.10	1.11	1.12	1.14	1.15	1.16	1.17	1.5%
Ventilation	0.18	0.18	0.18	0.18	0.19	0.19	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.22	0.22	0.22	0.22	0.22	0.22	0.23	0.23	1.5%
Cooking	0.24	0.24	0.24	0.25	0.26	0.26	0.27	0.27	0.28	0.28	0.29	0.29	0.29	0.30	0.30	0.30	0.31	0.31	0.31	0.32	0.32	0.33	1.5%
Lighting	1.22	1.24	1.25	1.27	1.30	1.33	1.35	1.37	1.39	1.40	1.42	1.44	1.45	1.47	1.48	1.50	1.51	1.51	1.52	1.53	1.54	1.54	1.1%
Refrigeration	0.18	0.19	0.19	0.19	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.23	0.24	0.24	1.2%
Office Equipment (PC)	0.14	0.16	0.19	0.20	0.22	0.24	0.25	0.27	0.28	0.30	0.31	0.32	0.33	0.34	0.34	0.35	0.35	0.35	0.35	0.35	0.35	0.35	4.2%
Office Equipment (non-PC)	0.30	0.32	0.34	0.35	0.37	0.39	0.41	0.44	0.46	0.48	0.50	0.52	0.55	0.57	0.60	0.62	0.65	0.68	0.70	0.73	0.75	0.78	4.6%
Other Uses 7/	2.32	2.53	2.62	2.65	2.75	2.84	2.91	2.98	3.05	3.12	3.20	3.28	3.36	3.44	3.53	3.62	3.71	3.81	3.91	4.01	4.11	4.21	2.6%
Delivered Energy	7.70	8.07	8.18	8.39	8.70	8.95	9.13	9.31	9.49	9.67	9.84	10.01	10.19	10.36	10.53	10.71	10.88	11.05	11.22	11.40	11.57	11.74	1.9%
Electricity Related Losses	8.13	8.42	8.56	8.72	9.02	9.27	9.51	9.68	9.78	9.90	10.04	10.18	10.31	10.47	10.64	10.78	10.90	11.01	11.16	11.28	11.41	11.51	1.6%
Total Energy Consumption by End-Use																							
Space Heating 1/	2.09	2.30	2.17	2.26	2.34	2.39	2.41	2.42	2.44	2.46	2.47	2.49	2.50	2.52	2.53	2.54	2.56	2.57	2.58	2.59	2.61	2.62	0.9%
Space Cooling 1/	1.48	1.45	1.50	1.44	1.48	1.50	1.51	1.52	1.53	1.53	1.54	1.55	1.55	1.56	1.56	1.57	1.57	1.58	1.59	1.59	1.60	1.60	0.5%
Water Heating 1/	1.19	1.19	1.18	1.21	1.26	1.29	1.30	1.32	1.33	1.35	1.36	1.37	1.38	1.40	1.41	1.42	1.43	1.44	1.45	1.46	1.47	1.48	1.1%
Ventilation	0.55	0.56	0.57	0.58	0.59	0.60	0.61	0.62	0.63	0.63	0.63	0.63	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.65	0.65	0.66	0.8%
Cooking	0.31	0.31	0.30	0.31	0.33	0.33	0.34	0.34	0.35	0.35	0.35	0.35	0.36	0.36	0.36	0.37	0.37	0.37	0.37	0.37	0.38	0.38	1.1%
Lighting	3.86	3.91	3.92	3.99	4.08	4.15	4.21	4.25	4.27	4.28	4.30	4.33	4.34	4.37	4.40	4.41	4.42	4.42	4.43	4.43	4.43	4.43	0.9%
Refrigeration	0.58	0.59	0.60	0.61	0.62	0.63	0.64	0.64	0.65	0.65	0.65	0.66	0.66	0.66	0.67	0.67	0.68	0.68	0.68	0.68	0.68	0.68	0.7%
Office Equipment (PC)	0.43	0.49	0.56	0.62	0.68	0.74	0.79	0.83	0.87	0.90	0.93	0.96	0.98	1.00	1.02	1.03	1.03	1.03	1.03	1.03	1.03	1.02	3.7%
Office Equipment (non-PC)	0.94	1.00	1.06	1.09	1.15	1.22	1.29	1.35	1.41	1.46	1.52	1.58	1.64	1.71	1.77	1.84	1.91	1.97	2.04	2.10	2.17	2.24	4.1%
Other Uses 7/	4.41	4.79	4.90	5.00	5.19	5.37	5.54	5.69	5.82	5.96	6.12	6.28	6.45	6.63	6.81	6.99	7.18	7.36	7.56	7.76	7.95	8.15	2.7%
Total	15.84	16.49	16.74	17.11	17.72	18.23	18.64	19.00	19.28	19.56	19.87	20.19	20.50	20.83	21.17	21.48	21.78	22.06	22.38	22.67	22.98	23.26	1.7%
Non-Marketed Renewable Fuels																							
Solar 8/	0.02	0.02	0.02	0.02	0.03	1.2%																	
Total	0.02	0.02	0.02	0.02	0.03	1.2%																	

1/ Includes fuel consumption for district services.
2/ Includes miscellaneous uses, such as service station equipment, automated teller machines, telecommunications equipment, and medical equipment.
3/ Excludes estimated consumption from independent power producers.
4/ Includes miscellaneous uses, such as pumps, emergency electric generators, cogeneration in commercial buildings, and manufacturing performed in commercial buildings.
5/ Includes miscellaneous uses, such as cooking, emergency electric generators, and cogeneration in commercial buildings.
6/ Includes residual fuel oil, liquefied petroleum gas, coal, motor gasoline, and kerosene.
7/ Includes miscellaneous uses, such as service station equipment, automated teller machines, telecommunications equipment, medical equipment, pumps, lighting, emergency electric generators, cogeneration in commercial buildings, manufacturing performed in commercial buildings, and cooking (distillate), plus residual fuel oil, liquefied petroleum gas, coal, motor gasoline, and kerosene.
8/ Includes primary energy displaced by solar thermal space heating and water heating, and electricity generation by solar photovoltaic systems.
Bu = British thermal unit.
PC = Personal computer.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding. Data for 1999 and 2000 are model results and may differ slightly from official EIA data reports.
Source: 1999 and 2000: Energy Information Administration (EIA), Short-Term Energy Outlook, October 2001, <http://www.eia.doe.gov/pub/forecasting/stes/oldstes/oc01.pdf>.
Projections: EIA, AEC2002 National Energy Modeling System run aec2002.d102021b.

Table 6. Industrial Sector Key Indicators and Consumption (1 of 2)
(Quadrillion Btu per Year, Unless Otherwise Noted)

Key Indicators	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Value of Gross Output (billion 1992 dollars)																							
Manufacturing	3804	4022	3917	4054	4253	4414	4577	4712	4863	5017	5182	5379	5574	5740	5909	6064	6221	6378	6548	6725	6899	7028	2.8%
Nonmanufacturing	990	1039	1052	1048	1081	1107	1131	1136	1145	1165	1187	1210	1227	1242	1266	1293	1321	1340	1360	1389	1417	1441	1.6%
Total	4794	5062	4969	5102	5334	5521	5708	5848	6007	6181	6368	6589	6801	6981	7177	7358	7542	7718	7938	8144	8305	8467	2.6%
Energy Prices (2000 dollars / million Btu)																							
Electricity	13.00	13.50	13.66	12.97	12.60	12.85	12.48	12.26	12.16	12.16	12.20	12.27	12.39	12.40	12.55	12.56	12.57	12.62	12.70	12.77	12.80	12.85	-0.2%
Natural Gas 2/	3.00	4.31	4.52	2.99	2.81	2.97	3.05	3.09	3.11	3.18	3.24	3.31	3.37	3.43	3.49	3.53	3.57	3.60	3.62	3.65	3.68	3.72	-0.7%
Steam Coal	1.43	1.41	1.41	1.38	1.36	1.35	1.34	1.33	1.32	1.30	1.28	1.28	1.27	1.27	1.26	1.25	1.24	1.24	1.23	1.23	1.22	1.20	-0.8%
Residual Oil	2.75	3.27	3.73	3.44	2.78	2.75	2.79	2.80	2.81	2.81	2.81	2.81	2.81	2.81	2.82	2.82	2.82	2.82	2.81	2.81	2.81	2.80	-0.7%
Distillate Oil	4.71	7.21	5.99	5.76	4.72	4.72	4.70	4.71	4.64	4.65	4.71	4.72	4.70	4.69	4.68	4.67	4.67	4.67	4.67	4.67	4.67	4.67	-1.0%
Liquefied Petroleum Gas	8.77	11.73	7.72	7.47	7.47	7.50	7.54	7.59	7.65	7.64	7.63	7.63	7.82	7.81	7.84	7.83	7.83	7.83	7.83	7.82	7.81	7.81	-2.0%
Motor Gasoline	9.61	12.18	12.11	10.93	9.81	9.76	9.76	9.97	10.14	10.06	10.14	10.13	10.01	9.97	9.96	9.93	9.86	9.86	9.86	9.86	9.84	9.84	-1.2%
Metallurgical Coal	1.71	1.62	1.65	1.63	1.61	1.60	1.59	1.59	1.57	1.56	1.55	1.54	1.54	1.53	1.52	1.50	1.49	1.49	1.49	1.47	1.46	1.45	-0.9%
Energy Consumption																							
Consumption 1/																							
Purchased Electricity	3.61	3.65	3.49	3.51	3.63	3.72	3.81	3.88	3.97	4.05	4.11	4.21	4.29	4.36	4.42	4.49	4.54	4.61	4.67	4.73	4.79	4.84	1.4%
Natural Gas 2/	9.95	9.79	9.04	8.90	10.10	10.23	10.36	10.52	10.65	10.78	10.93	11.02	11.18	11.29	11.39	11.52	11.59	11.68	11.77	11.87	11.95	11.91	1.0%
Steam Coal	1.69	1.69	1.69	1.64	1.67	1.69	1.71	1.71	1.72	1.72	1.73	1.74	1.75	1.76	1.77	1.77	1.79	1.80	1.81	1.83	1.84	1.86	0.4%
Metallurgical Coal and Coke 3/	0.81	0.84	0.76	0.77	0.77	0.77	0.77	0.77	0.77	0.76	0.76	0.76	0.75	0.75	0.74	0.73	0.72	0.72	0.72	0.72	0.71	0.70	-0.9%
Residual Fuel	0.25	0.27	0.19	0.16	0.16	0.18	0.19	0.22	0.22	0.26	0.27	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.28	0.29	0.29	0.29	0.8%
Distillate	1.08	1.11	1.10	1.10	1.14	1.16	1.18	1.18	1.20	1.22	1.24	1.24	1.26	1.27	1.29	1.30	1.32	1.33	1.35	1.37	1.39	1.41	1.2%
Liquefied Petroleum Gas	2.28	2.36	2.19	2.35	2.46	2.50	2.54	2.55	2.58	2.61	2.66	2.69	2.76	2.80	2.82	2.84	2.85	2.89	2.90	2.92	2.94	3.01	1.2%
Petrochemical Feedstocks	1.31	1.32	1.15	1.28	1.32	1.34	1.36	1.38	1.40	1.42	1.44	1.46	1.50	1.52	1.53	1.54	1.56	1.56	1.58	1.60	1.62	1.60	1.0%
Other Petroleum 4/	4.50	4.17	4.19	4.33	4.49	4.58	4.65	4.69	4.81	4.86	4.90	5.03	5.11	5.12	5.20	5.23	5.33	5.37	5.42	5.49	5.55	5.59	1.5%
Renewables 5/	2.29	2.41	2.41	2.47	2.54	2.60	2.67	2.73	2.79	2.80	2.85	2.90	2.97	3.03	3.09	3.14	3.19	3.25	3.30	3.35	3.40	3.44	1.8%
Delivered Energy	27.75	27.62	26.22	27.51	28.29	28.79	29.24	29.63	30.10	30.46	30.87	31.31	31.85	32.19	32.55	32.86	33.19	33.50	33.79	34.14	34.45	34.67	1.1%
Electricity Related Losses	7.60	7.88	7.48	7.52	7.78	7.94	8.09	8.18	8.23	8.28	8.35	8.46	8.56	8.63	8.71	8.76	8.80	8.84	8.92	8.98	9.04	9.07	0.7%
Total	35.54	35.50	33.70	35.03	36.06	36.73	37.33	37.81	38.33	38.75	39.22	39.77	40.41	40.82	41.26	41.62	41.99	42.34	42.71	43.12	43.49	43.74	1.0%
Consumption / Unit of Output 1/ (thousand Btu / 1992 dollar)																							
Purchased Electricity	0.75	0.72	0.70	0.69	0.68	0.67	0.67	0.66	0.66	0.65	0.65	0.64	0.63	0.62	0.62	0.61	0.60	0.60	0.59	0.58	0.58	0.57	-1.2%
Natural Gas 2/	2.07	1.93	1.82	1.84	1.89	1.85	1.82	1.80	1.77	1.74	1.72	1.67	1.64	1.62	1.59	1.57	1.54	1.51	1.49	1.46	1.44	1.41	-1.6%
Steam Coal	0.35	0.33	0.34	0.32	0.31	0.31	0.30	0.29	0.29	0.28	0.27	0.26	0.26	0.25	0.25	0.24	0.23	0.23	0.22	0.22	0.22	0.22	-2.1%
Metallurgical Coal and Coke 3/	0.17	0.17	0.15	0.15	0.14	0.14	0.13	0.13	0.13	0.12	0.12	0.11	0.11	0.11	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.08	-3.4%
Residual Fuel	0.05	0.05	0.04	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	-1.8%
Distillate	0.23	0.22	0.22	0.22	0.21	0.21	0.21	0.20	0.20	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17	0.17	-1.4%
Liquefied Petroleum Gas	0.47	0.47	0.44	0.46	0.45	0.44	0.44	0.44	0.43	0.42	0.42	0.41	0.40	0.39	0.39	0.39	0.38	0.37	0.37	0.36	0.35	0.36	-1.3%
Petrochemical Feedstocks	0.27	0.26	0.23	0.25	0.25	0.24	0.24	0.24	0.23	0.23	0.23	0.22	0.22	0.22	0.21	0.21	0.21	0.20	0.20	0.19	0.19	0.19	-1.8%
Other Petroleum 4/	0.94	0.82	0.84	0.85	0.84	0.83	0.81	0.80	0.80	0.79	0.77	0.76	0.75	0.73	0.72	0.71	0.71	0.70	0.68	0.68	0.67	0.66	-1.1%
Renewables 5/	0.48	0.48	0.48	0.48	0.48	0.47	0.47	0.47	0.46	0.45	0.45	0.44	0.44	0.43	0.43	0.43	0.42	0.42	0.42	0.41	0.41	0.41	-0.8%
Delivered Energy	5.79	5.46	5.28	5.39	5.30	5.21	5.12	5.07	5.01	4.93	4.85	4.75	4.68	4.61	4.54	4.47	4.40	4.34	4.27	4.21	4.15	4.10	-1.4%
Electricity Related Losses	1.63	1.66	1.50	1.47	1.48	1.44	1.42	1.40	1.37	1.34	1.31	1.28	1.26	1.24	1.21	1.19	1.17	1.15	1.13	1.11	1.09	1.07	-1.9%
Total	7.41	7.01	6.78	6.87	6.76	6.65	6.54	6.47	6.38	6.27	6.16	6.04	5.94	5.85	5.75	5.66	5.57	5.49	5.40	5.31	5.24	5.17	-1.9%

1/ Fuel consumption includes consumption for cogeneration.

2/ Includes lease and plant fuel.

3/ Includes net coke coal imports.

4/ Includes petroleum coke, asphalt, road oil, lubricants, motor gasoline, still gas, and miscellaneous petroleum products.

5/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass.

Btu = British thermal unit.

Note: Totals may not equal sum of components due to independent rounding. Data for 1999 and 2000 are model results and may differ slightly from official EIA data reports.

Table 6. Industrial Sector Key Indicators and Consumption (2 of 2)
(Quadrillion Btu per Year, Unless Otherwise Noted)

Sources: 1999 prices for gasoline and distillate are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 1999, http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_marketing_annual/pma_historical.html (August 2000). 2000 prices for gasoline and distillate are based on the preliminary Petroleum Marketing Annual 2000, http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_marketing_annual/current/pdf/pma01.pdf. 1999 and 2000 coal prices are based on EIA, Quarterly Coal Report, DOE/EIA-0121(2000/4Q) (Washington, DC, October-December 2000), and EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b. 1999 and 2000 electricity prices: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b. Other 1999 values and other 2000 prices derived from EIA, State Energy Data Report 1999, DOE/EIA-0214(99) (Washington, DC, May 2001). Other 2000 values: EIA, Short-Term Energy Outlook, October 2001, <http://www.eia.doe.gov/pub/forecasting/steso/dsteso/oct01.pdf>. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 7. Transportation Sector Key Indicators and Delivered Energy Consumption (1 of 2)

Key Indicators	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020-2020
Level of Travel (billions)																							
Light-Duty Vehicles <8500 pounds (VMT)	2305	2340	2405	2471	2553	2615	2679	2734	2791	2860	2929	2996	3068	3139	3209	3272	3336	3403	3466	3529	3591	3649	2.2%
Commercial Light Trucks (VMT) 1/	67	70	69	70	73	76	78	80	82	84	87	89	92	94	97	99	101	104	106	108	111	113	2.5%
Freight Trucks >10000 pounds (VMT)	201	214	220	225	235	244	252	257	263	270	278	286	294	302	309	316	324	331	339	347	355	362	2.6%
Air (seat miles available)	1137	1184	1150	1175	1237	1281	1331	1373	1418	1460	1546	1614	1665	1751	1818	1887	1960	2039	2119	2196	2277	2354	3.5%
Rail (ton miles traveled)	1382	1415	1502	1488	1532	1566	1606	1645	1678	1703	1731	1761	1807	1831	1855	1877	1903	1940	1970	2000	2031	2056	1.9%
Domestic Shipping (ton miles traveled)	665	689	706	709	721	733	743	749	756	766	776	786	797	806	820	831	843	855	866	878	886	894	1.3%
Energy Efficiency Indicators																							
New Light-Duty Vehicle (MPG) 2/	24.0	24.5	24.6	24.5	25.1	24.9	25.0	25.1	25.1	25.3	25.4	25.6	25.7	25.8	26.1	26.2	26.4	26.5	26.6	26.7	26.8	26.8	0.5%
New Car (MPG) 2/	27.7	28.6	28.7	28.6	29.4	29.4	29.4	29.6	29.6	29.7	29.8	30.0	30.1	30.2	30.4	30.5	30.7	30.8	30.9	31.0	31.1	31.2	0.4%
New Light Truck (MPG) 2/	20.7	21.1	21.1	21.0	21.5	21.4	21.4	21.8	21.7	21.8	22.0	22.2	22.3	22.5	22.8	22.9	23.1	23.2	23.3	23.4	23.4	23.5	0.9%
Light-Duty Fleet (MPG) 3/	19.7	19.8	19.8	19.8	19.7	19.7	19.8	19.8	19.8	19.9	19.9	20.0	20.0	20.1	20.2	20.3	20.4	20.5	20.5	20.6	20.7	20.8	0.2%
New Commercial Light Truck (MPG) 1/	14.0	14.2	14.2	14.2	14.4	14.4	14.4	14.4	14.5	14.6	14.7	14.8	15.0	15.1	15.3	15.3	15.4	15.5	15.6	15.7	15.7	15.7	0.9%
Stock Commercial Light Truck (MPG) 1/	13.6	13.6	13.6	13.6	13.9	14.0	14.1	14.2	14.2	14.3	14.3	14.4	14.5	14.5	14.6	14.7	14.8	14.9	15.0	15.1	15.2	15.3	0.8%
Aircraft Efficiency (seat miles per gallon)	51.7	52.1	52.3	52.6	53.0	53.4	53.8	54.2	54.6	55.1	55.5	55.9	56.4	56.8	57.2	57.6	58.1	58.5	58.9	59.3	59.8	60.2	0.7%
Freight Truck Efficiency (MPG)	5.9	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.1	6.1	6.2	6.2	6.2	6.2	6.3	6.3	0.3%
Rail Efficiency (ton miles per thousand Btu)	2.8	2.8	2.8	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.4	3.4	1.0%
Domestic Shipping Efficiency																							
(ton miles per thousand Btu)	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	0.2%
Energy Use by Mode (quadrillion Btu)																							
Light-Duty Vehicles	14.80	14.97	15.19	15.55	16.16	16.52	16.89	17.21	17.52	17.91	18.29	18.65	19.02	19.38	19.71	20.00	20.29	20.59	20.87	21.14	21.42	21.66	1.9%
Commercial Light Trucks 1/	0.61	0.64	0.62	0.64	0.66	0.67	0.69	0.71	0.72	0.74	0.76	0.78	0.79	0.81	0.83	0.84	0.85	0.87	0.88	0.90	0.91	0.92	1.9%
Freight Trucks 4/	4.55	4.80	4.91	5.00	5.20	5.37	5.54	5.64	5.78	5.92	6.09	6.26	6.44	6.58	6.72	6.83	6.94	7.05	7.16	7.27	7.37	7.46	2.2%
Air 5/	3.59	3.62	3.54	3.62	3.76	3.85	3.95	4.04	4.13	4.26	4.40	4.54	4.68	4.81	4.94	5.08	5.22	5.37	5.52	5.66	5.81	5.95	2.9%
Rail 6/	0.59	0.58	0.61	0.60	0.62	0.62	0.63	0.64	0.65	0.65	0.66	0.67	0.68	0.68	0.68	0.69	0.69	0.70	0.70	0.71	0.71	0.72	1.9%
Marine 7/	1.50	1.73	1.63	1.66	1.67	1.68	1.69	1.69	1.70	1.71	1.72	1.72	1.73	1.74	1.75	1.76	1.77	1.78	1.79	1.80	1.81	1.82	0.2%
Pipeline Fuel	0.75	0.79	0.79	0.77	0.81	0.79	0.80	0.81	0.82	0.83	0.84	0.86	0.88	0.89	0.91	0.93	0.94	0.96	0.97	0.98	0.99	1.00	1.2%
Lubricants	0.18	0.18	0.19	0.20	0.20	0.21	0.21	0.21	0.21	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.24	0.24	0.24	0.25	0.25	0.25	1.7%
Total	26.49	27.32	27.49	28.05	29.05	29.72	30.41	30.95	31.54	32.25	32.98	33.70	34.46	35.14	35.80	36.38	36.96	37.57	38.15	38.72	39.29	39.78	1.9%
Energy Use by Mode																							
(million barrels per day oil equivalent)																							
Light-Duty Vehicles	7.73	7.82	7.94	8.13	8.54	8.73	8.92	9.09	9.26	9.46	9.66	9.85	10.04	10.23	10.41	10.56	10.71	10.87	11.01	11.15	11.30	11.43	1.9%
Commercial Light Trucks 1/	0.32	0.33	0.33	0.33	0.35	0.35	0.36	0.37	0.38	0.39	0.40	0.41	0.42	0.43	0.44	0.44	0.45	0.46	0.46	0.47	0.48	0.49	1.9%
Freight Trucks 4/	2.03	2.14	2.19	2.23	2.32	2.40	2.48	2.53	2.59	2.66	2.74	2.81	2.90	2.96	3.03	3.08	3.13	3.18	3.23	3.29	3.33	3.37	2.3%
Railroad	0.23	0.24	0.25	0.25	0.25	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.28	0.9%
Domestic Shipping	0.13	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.17	1.3%
International Shipping	0.39	0.48	0.43	0.44	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.46	0.46	0.46	0.46	0.46	0.46	-0.2%
Air 5/	1.46	1.51	1.46	1.48	1.54	1.59	1.63	1.67	1.72	1.78	1.84	1.90	1.97	2.03	2.10	2.16	2.22	2.30	2.37	2.44	2.51	2.57	2.7%
Military Use	0.29	0.30	0.31	0.33	0.33	0.33	0.34	0.34	0.34	0.34	0.35	0.35	0.35	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	1.6%
Bus Transportation	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.6%
Rail Transportation 6/	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	1.9%
Recreational Boats	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.19	0.20	0.9%
Lubricants	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	1.7%
Pipeline Fuel	0.38	0.40	0.40	0.39	0.40	0.40	0.41	0.41	0.41	0.42	0.43	0.43	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	1.2%
Total	13.33	13.73	13.83	14.12	14.71	15.05	15.40	15.67	15.97	16.32	16.69	17.05	17.44	17.78	18.11	18.40	18.69	18.99	19.29	19.57	19.86	20.11	1.9%

1/ Commercial trucks 8,500 to 10,000 pounds.

2/ Environmental Protection Agency rated miles per gallon.

3/ Combined car and light truck "on-the-road" estimate.

4/ Includes energy use by buses and military distillate consumption.

5/ Includes jet fuel and aviation gasoline.

6/ Includes passenger rail.

7/ Includes military residual fuel use and recreation boats.

Btu = British thermal unit.

VMT = Vehicle miles traveled.

Table 7. Transportation Sector Key Indicators and Delivered Energy Consumption (2 of 2)

MPG = Miles per gallon.

Note: Totals may not equal sum of components due to independent rounding. Data for 1999 and 2000 are model results and may differ slightly from official EIA data reports.

Sources: 1999: Energy Information Administration (EIA), Natural Gas Annual, DOE/EIA-0131(99) (Washington, DC, October 2000); Federal Highway Administration, Highway Statistics 1999 (Washington, DC, November 2000); Oak Ridge National Laboratory, Transportation Energy Data Book: 12, 13, 14, 15, 16, 17, 18, 19, and 20 (Oak Ridge, TN, September 2000); National Highway Traffic and Safety Administration, Summary of Fuel Economy Performance (Washington, DC, February 2000); EIA, Household Vehicle Energy Consumption 1994, DOE/EIA-0464(94) (Washington, DC, August 1997); U.S. Department of Commerce, Bureau of the Census, "Vehicle Inventory and Use Survey," EC97TV (Washington, DC, October 1999); EIA, Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives To Traditional Transportation Fuels 1998, http://www.eia.doe.gov/nea/afat_trans58/table1.html; and EIA, State Energy Data Report 1999, DOE/EIA-0214(99) (Washington, DC, May 2001). 2000: U.S. Department of Transportation, Research and Special Programs Administration, Air Carrier Statistics Monthly, December 2001/1999 (Washington, DC, 2000); EIA, Short-Term Energy Outlook, October 2001, <http://www.eia.doe.gov/pub/forecasting/aseo/old/aseo/oc01.pdf>; EIA, Fuel Oil and Kerosene Sales 1999, DOE/EIA-0535(99) (Washington, DC, August 2000); and United States Department of Defense, Defense Fuel Supply Center. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 8. Electricity Supply, Disposition, Prices, and Emissions (1 of 2)
(Billion Kilowatthours, Unless Otherwise Noted)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Generation by Fuel Type																							
Electricity Generators 1/																							
Coal	1937	1992	1933	1843	1999	2041	2088	2130	2186	2196	2206	2213	2220	2228	2236	2246	2260	2272	2282	2307	2338	2363	1.0%
Petroleum	110	83	110	41	63	71	70	66	59	59	58	64	75	82	86	88	106	110	120	134	139	156	2.6%
Natural Gas 2/	363	417	442	495	515	559	595	638	692	755	814	879	941	995	1075	1137	1192	1243	1292	1332	1369	1391	6.2%
Nuclear Power	728	752	763	761	757	759	759	760	741	740	741	737	732	726	712	702	690	690	685	685	685	685	-0.5%
Pumped Storage	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0.4%
Renewable Sources 3/	356	321	279	346	368	370	374	376	378	380	382	388	390	393	394	394	396	399	399	401	401	405	1.2%
Total	3392	3504	3526	3586	3702	3785	3892	3968	4053	4130	4201	4280	4357	4431	4502	4575	4644	4714	4785	4858	4930	4999	1.8%
Non-Utility Generation for Own Use	25	30	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	32	32	32	0.3%
Distributed Generation	0	0	0	0	0	0	0	1	1	2	2	2	3	3	4	4	5	5	6	7	7	8	N/A
Cogenerators 4/																							
Coal	50	46	47	47	47	48	49	49	50	50	49	49	49	49	49	49	49	49	49	49	49	49	0.3%
Petroleum	14	9	10	9	10	10	10	10	10	10	10	10	11	12	11	12	12	13	13	14	14	15	2.6%
Natural Gas	198	209	215	220	229	229	238	243	247	250	255	259	264	268	274	279	285	290	298	302	309	315	2.1%
Other Gaseous Fuels 5/	8	6	6	6	8	8	9	9	9	9	9	10	10	10	10	10	11	11	11	11	11	11	3.7%
Renewable Sources 3/	33	33	33	33	34	36	37	39	40	40	41	41	43	44	45	46	47	49	50	51	52	52	2.4%
Other 6/	11	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0.1%
Total	315	307	315	319	333	342	348	355	360	364	369	374	382	388	395	401	408	416	424	431	440	447	1.9%
Other End-Use Generators 7/																							
Coal	6	4	3	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	1.4%
Sales to Utilities	168	163	166	170	175	178	181	186	191	192	193	193	196	199	202	205	209	212	216	220	224	228	1.6%
Generation for Own Use	153	147	153	153	163	168	172	177	181	183	186	190	194	197	201	204	208	212	216	220	224	228	2.2%
Net Imports 8/	25	35	35	32	38	40	47	39	34	32	32	33	35	36	37	38	41	40	39	39	38	38	0.4%
Electricity Sales by Sector																							
Residential	1145	1193	1231	1261	1305	1336	1368	1376	1393	1414	1428	1447	1466	1491	1509	1531	1556	1581	1599	1622	1647	1676	1.7%
Commercial	1104	1144	1171	1193	1235	1275	1312	1348	1383	1416	1449	1483	1516	1550	1584	1618	1650	1681	1712	1742	1773	1803	2.3%
Industrial	1058	1071	1023	1030	1065	1091	1116	1138	1163	1186	1205	1232	1258	1279	1297	1315	1332	1350	1368	1387	1405	1420	1.4%
Transportation	17	18	18	19	19	20	20	21	22	22	23	23	24	25	25	26	27	28	29	30	31	32	3.1%
Total	3324	3426	3443	3503	3624	3722	3806	3883	3961	4039	4105	4185	4264	4345	4415	4490	4565	4640	4708	4781	4856	4931	1.8%
End-Use Prices (2000 cents per kwh) 9/																							
Residential	8.3	8.3	8.4	8.0	7.7	7.6	7.5	7.5	7.5	7.5	7.5	7.5	7.6	7.6	7.6	7.6	7.5	7.6	7.6	7.6	7.6	7.6	-0.4%
Commercial	7.3	7.5	7.8	7.3	7.0	6.7	6.8	6.7	6.6	6.6	6.6	6.6	6.7	6.7	6.7	6.7	6.7	6.8	6.8	6.8	6.8	6.8	-0.2%
Industrial	4.4	4.6	4.7	4.4	4.3	4.3	4.3	4.2	4.1	4.1	4.1	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.3	4.4	4.4	4.4	-0.2%
Transportation	7.1	7.4	7.2	6.9	6.1	5.9	5.6	5.4	5.6	5.8	6.0	6.1	6.3	6.4	6.5	6.6	6.5	6.4	6.3	6.2	6.0	6.0	-1.0%
All Sectors Average	6.7	6.9	7.1	6.7	6.4	6.4	6.3	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.3	6.3	6.3	6.4	6.4	-0.4%
Prices by Service Category																							
(2000 cents per kilowatthour)																							
Generation	4.1	4.3	4.6	4.2	3.9	3.9	3.8	3.7	3.7	3.6	3.6	3.6	3.7	3.6	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.8	-0.6%
Transmission	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.4%
Distribution	2.0	2.0	1.9	1.9	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	-0.3%
Emissions (million short tons)																							
Sulfur Dioxide	12.45	11.05	11.08	11.29	10.98	10.57	10.39	10.33	10.13	9.93	9.85	9.68	9.95	9.95	9.95	9.94	9.94	9.95	9.94	9.95	9.94	9.94	-1.1%
Nitrogen Oxide	5.71	4.28	4.33	4.32	4.49	3.96	3.98	4.03	4.08	4.08	4.07	4.09	4.10	4.13	4.15	4.16	4.17	4.18	4.19	4.19	4.20	4.21	-0.1%

1/ Includes grid-connected generation at all utilities and nonutilities except for cogenerators. Includes small power producers and exempt wholesale generators.

2/ Includes electricity generation by fuel cells.

3/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, landfill gas, other biomass, solar, and wind power.

4/ Cogenerators produce electricity and other useful thermal energy. Includes sales to utilities and generation for own use.

5/ Other gaseous fuels include refinery and still gas.

Table 8. Electricity Supply, Disposition, Prices, and Emissions (2 of 2)
(Billion Kilowatt-hours, Unless Otherwise Noted)

6/ Other includes hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.

7/ Includes small on-site generating systems in the residential, commercial, and industrial sectors used primarily for own-use generation, but which may also sell some power to the grid.

8/ In 1999 approximately 70 percent of the U.S. electricity imports were provided by renewable sources (hydroelectricity); EIA does not project future proportions for the fuel source of imported electricity.

9/ Prices represent average revenue per kilowatt-hour.

Note: Totals may not equal sum of components due to independent rounding. Data for 1999 and 2000 are model results and may differ slightly from official EIA data reports.

Sources: 1999: electric generators and cogenerators generation, sales to utilities, net imports, residential, industrial, and total electricity sales, and emissions: Energy Information Administration (EIA), Electric Power Annual 1999, Volume II, DOE/EIA-0348(99)/2 (Washington, DC, October 2000), and supporting databases. Other generators: EIA, Form EIA-860B: "Annual Electric Generator Report - Nonutility" and Department of Energy, Office of Energy Efficiency and Renewable Energy estimates. Commercial and transportation electricity sales: EIA estimates based on Oak Ridge National Laboratory, Transportation Energy Data Book 20 (Oak Ridge, TN, November 2000). Prices: EIA, AEO2002 National Energy Modeling System run aeo2002z.d102001b. 2000 and projections: EIA, AEO2002 National Energy Modeling System run aeo2002z.d102001b.

**Table 9. Electricity Generating Capability (2 of 2)
(Gigawatts)**

1/ Net summer capability is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand.

2/ Includes grid-connected utilities and nonutilities except for cogenerators. Includes small power producers and exempt wholesale generators.

3/ Includes oil-, gas-, and dual-fueled capability.

4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, landfill gas, other biomass, solar and wind power.

5/ Primarily peak-load capacity fueled by natural gas.

6/ Cumulative additions after December 31, 2000.

7/ Cumulative total retirements after December 31, 2000.

8/ Nameplate capacity is reported for nonutilities on Form EIA-860B, "Annual Electric Generator Report - Nonutility." Nameplate capacity is designated by the manufacturer.

The nameplate capacity has been converted to the net summer capability based on historic relationships.

9/ Includes small on-site generating systems in the residential, commercial, and industrial sectors used primarily for own-use generation, but which may also sell some power to the grid.

Excludes off-grid photovoltaics and other generators not connected to the distribution or transmission systems.

10/ See Table 17 for more detail.

NA = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 1999 and 2000 are model results and may differ slightly from official EIA data reports. Net summer capability has been estimated for nonutility generators to be consistent with capability estimates for electric utility generators.

Sources: 1999 electric utilities capability and projected planned additions: Energy Information Administration (EIA), Form EIA-860A, "Annual Electric Generator Report - Utility."

1999 nonutilities including cogenerators capability and projected planned additions: EIA, Form EIA-860B, "Annual Electric Generator Report - Nonutility" and New-Gen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, August 2000).

1999 other generators capability: EIA, Form EIA-860B, "Annual Electric Generator Report - Nonutility," and Department of Energy, Office of Energy Efficiency and Renewable Energy estimates. 2000 and projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 10. Electricity Trade (1 of 1)
(Billion Kilowatthours, Unless Otherwise Noted)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Interregional Electricity Trade																							
Gross Domestic Firm Power Sales	182.2	159.8	142.7	138.9	136.7	132.4	125.3	117.0	117.0	115.0	114.4	102.9	91.5	80.0	68.6	57.2	45.7	34.3	22.9	11.4	5.7	0.0	N/A
Gross Domestic Economy Sales	116.5	149.9	151.7	156.9	161.3	173.3	175.1	186.9	201.1	198.5	193.6	186.3	181.8	182.9	184.8	188.3	189.6	188.4	186.3	186.8	189.8	190.5	1.2%
Gross Domestic Trade	298.7	306.8	294.5	295.7	298.0	305.7	300.3	303.9	318.1	313.5	307.9	289.2	273.2	263.0	253.4	245.5	236.4	222.7	209.1	198.2	195.5	190.5	-2.4%
Gross Domestic Firm Power Sales (million 2000 dollars)	8788.5	7576.3	6893.4	6705.6	6599.8	6395.0	6050.5	5649.3	5648.2	5554.9	5522.3	4970.1	4417.8	3865.6	3313.4	2761.2	2208.9	1656.7	1104.5	552.2	276.1	0.0	N/A
Gross Domestic Economy Sales (million 2000 dollars)	3668.1	6839.7	6671.1	4545.7	4850.4	5519.9	5448.7	5697.9	5972.3	5867.2	5726.7	5555.6	5536.8	5736.9	5943.6	6141.1	6246.0	6218.5	6150.7	6205.9	6345.7	6407.6	-0.3%
Gross Domestic Sales (million 2000 dollars)	12466.6	14416.0	13564.5	11251.3	11450.2	11914.9	11499.2	11347.2	11620.5	11422.1	11249.0	10525.7	9954.6	9602.5	9257.0	8902.2	8455.0	7875.2	7255.2	6758.2	6621.8	6407.6	-4.0%
International Electricity Trade																							
Firm Power Imports From Canada & Mexico 1/	19.0	23.7	16.5	14.6	13.6	11.1	10.7	6.7	6.7	6.7	6.5	5.8	5.2	4.5	3.9	3.2	2.6	1.9	1.3	0.8	0.3	0.0	N/A
Economy Imports From Canada & Mexico 1/	19.9	24.3	31.5	30.5	38.3	45.1	52.8	49.4	44.3	42.2	42.3	44.0	45.5	46.2	47.1	47.3	50.3	48.9	47.6	46.9	46.0	45.3	3.2%
Gross Imports From Canada & Mexico 1/	38.9	48.0	48.0	45.1	51.8	56.1	63.4	56.1	51.0	48.9	48.7	49.8	50.7	50.8	51.0	50.5	52.9	50.8	48.9	47.5	46.3	45.3	-0.3%
Firm Power Exports To Canada & Mexico	3.0	6.6	6.5	6.5	6.0	9.7	9.7	9.7	9.7	9.7	9.7	8.7	7.8	6.8	5.8	4.8	3.9	2.9	1.9	1.0	0.5	0.0	N/A
Economy Exports To Canada & Mexico	10.5	6.4	6.5	6.6	6.7	6.9	7.0	7.1	7.2	7.4	7.5	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	0.9%
Gross Exports To Canada & Mexico	13.5	13.0	13.1	13.1	12.7	16.6	16.7	16.8	16.9	17.1	17.2	16.4	15.4	14.4	13.5	12.5	11.5	10.6	9.6	8.6	8.1	7.7	-2.6%

1/ Historically electricity imports were primarily from renewable resources, principally hydroelectric.

N/A - Not applicable.
 Note: Totals may not equal sum of components due to independent rounding. Data for 1999 and 2000 are model results and may differ slightly from official EIA data reports.
 Firm Power Sales are capacity sales, meaning the delivery of the power is scheduled as part of the normal operating conditions of the affected electric systems. Economy

Sales are subject to curtailment or cessation of delivery by the supplier in accordance with prior agreements or under specified conditions.
 Sources: 1999 interregional firm electricity trade data: North American Electric Reliability Council (NERC), Electricity Sales and Demand Database 1999. 1999 international electricity trade data: DOE Form FE-718R, "Annual Report of International Electrical Export/Import Data." 1999 firm/economy share: National Energy Board, Annual Report 1999. 2000 and Projections: Energy Information Administration, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 11. Petroleum Supply and Disposition Balance (1 of 2)
(Million Barrels per Day, Unless Otherwise Noted)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-	
Crude Oil																								
Domestic Crude Production 1/	5.87	5.80	5.80	5.81	5.53	5.41	5.25	5.15	5.11	4.98	4.85	4.75	4.68	4.65	4.79	4.86	4.92	5.04	5.15	5.16	5.01	4.94	-0.8%	
Alaska	1.95	0.95	0.94	0.96	0.89	0.84	0.78	0.78	0.77	0.73	0.70	0.69	0.65	0.74	0.78	0.82	0.89	1.00	1.09	1.10	1.07	1.08	0.7%	
Lower 48 States	4.92	4.85	4.86	4.85	4.64	4.58	4.47	4.37	4.34	4.24	4.16	4.06	3.99	3.91	4.01	4.04	4.04	4.04	4.06	4.06	3.95	3.86	-1.1%	
Net Imports	8.61	9.02	9.02	9.55	9.75	10.29	10.85	11.02	11.29	11.61	11.85	12.00	12.08	12.15	12.08	12.01	11.97	11.94	12.00	12.22	12.37	12.37	1.6%	
Gross Imports	8.73	9.07	9.07	9.60	9.81	10.34	10.90	11.06	11.33	11.64	11.88	12.03	12.10	12.17	12.10	12.04	12.05	12.01	11.88	12.05	12.26	12.40	1.6%	
Exports	0.12	0.05	0.05	0.05	0.06	0.05	0.05	0.04	0.04	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.03	-2.0%	
Other Crude Supply 2/	0.31	0.23	0.22	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Total Crude Supply	14.79	15.05	15.04	15.45	15.29	15.70	16.10	16.17	16.39	16.58	16.70	16.75	16.76	16.80	16.86	16.87	16.94	17.01	17.09	17.16	17.23	17.31	0.7%	
Natural Gas Plant Liquids	1.85	1.91	1.81	1.90	2.08	2.12	2.14	2.18	2.21	2.26	2.31	2.36	2.41	2.45	2.51	2.55	2.59	2.63	2.67	2.71	2.75	2.77	1.9%	
Other Inputs 3/	0.60	0.35	0.33	0.38	0.30	0.26	0.25	0.24	0.28	0.23	0.32	0.25	0.35	0.30	0.35	0.28	0.28	0.25	0.26	0.28	0.23	0.23	-2.0%	
Refinery Processing Gain 4/	0.89	0.95	0.93	0.93	0.87	0.88	0.90	0.93	0.97	0.98	0.98	1.01	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.07	1.09	1.08	0.7%	
Net Product Imports 5/	1.30	1.40	1.53	1.39	2.15	2.18	2.16	2.34	2.35	2.56	2.74	3.16	3.53	3.93	4.13	4.49	4.74	5.01	5.24	5.48	5.75	6.06	7.6%	
Gross Refined Prod. Imports 6/	1.73	2.04	2.16	1.96	2.40	2.41	2.52	2.74	2.74	2.97	3.23	3.56	3.93	4.08	4.44	4.71	4.99	5.23	5.47	5.75	6.04	6.34	5.6%	
Unfinished Oil Imports	0.32	0.27	0.26	0.32	0.49	0.52	0.42	0.40	0.44	0.51	0.62	0.81	0.84	0.89	0.95	0.96	0.95	0.95	0.95	0.96	0.97	0.98	6.6%	
Ether Imports	0.08	0.08	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Exports	0.82	0.99	0.94	0.94	0.74	0.76	0.78	0.80	0.82	0.84	0.84	0.88	0.88	0.89	0.90	0.91	0.92	0.93	0.94	0.95	0.96	0.97	-0.1%	
Total Primary Supply 7/	19.43	19.88	19.64	20.05	20.68	21.15	21.56	21.85	22.20	22.62	23.05	23.53	24.05	24.50	24.87	25.23	25.60	25.98	26.32	26.70	27.05	27.46	1.7%	
Refined Petroleum Products Supplied																								
Motor Gasoline 8/	8.38	8.50	8.57	8.75	9.15	9.34	9.53	9.88	9.84	10.03	10.23	10.41	10.61	10.80	10.97	11.12	11.27	11.43	11.58	11.72	11.87	12.00	1.7%	
Jet Fuel 9/	1.67	1.73	1.69	1.73	1.80	1.84	1.89	1.93	1.97	2.03	2.10	2.16	2.23	2.30	2.36	2.42	2.49	2.56	2.63	2.70	2.77	2.83	2.5%	
Distillate Fuel 10/	3.55	3.67	3.60	3.63	3.98	4.10	4.21	4.27	4.34	4.44	4.54	4.65	4.66	4.93	4.98	5.07	5.16	5.24	5.34	5.45	5.54	5.64	2.2%	
Residual Fuel	0.99	1.04	1.00	0.71	0.80	0.84	0.85	0.84	0.82	0.84	0.84	0.86	0.86	0.88	0.90	0.93	0.94	0.95	0.95	0.95	0.95	0.97	-0.4%	
Other 11/	4.96	4.80	4.58	4.83	5.01	5.10	5.17	5.21	5.30	5.36	5.42	5.52	5.63	5.67	5.73	5.76	5.82	5.87	5.90	5.95	6.00	6.08	1.2%	
Total	19.53	19.74	19.64	19.84	20.74	21.22	21.63	21.92	22.27	22.70	23.13	23.60	24.13	24.58	24.94	25.30	25.67	26.03	26.39	26.77	27.12	27.52	1.7%	
Refined Petroleum Products Supplied																								
Residential and Commercial	1.17	1.12	1.11	1.11	1.13	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.16	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	0.2%	
Industrial 12/	4.98	4.98	4.71	4.94	5.14	5.24	5.32	5.37	5.46	5.54	5.62	5.72	5.84	5.90	5.97	6.00	6.07	6.12	6.16	6.23	6.28	6.38	1.3%	
Transportation	12.89	13.38	13.35	13.63	14.21	14.54	14.88	15.14	15.43	15.77	16.13	16.48	16.85	17.18	17.49	17.77	18.05	18.34	18.63	18.90	19.18	19.42	1.9%	
Electricity Generators 13/	0.48	0.41	0.47	0.16	0.25	0.29	0.28	0.26	0.23	0.23	0.22	0.25	0.29	0.35	0.33	0.38	0.40	0.42	0.45	0.50	0.51	0.57	1.6%	
Total	19.53	19.74	19.64	19.84	20.74	21.22	21.63	21.92	22.27	22.70	23.13	23.60	24.13	24.58	24.94	25.30	25.67	26.03	26.39	26.77	27.12	27.52	1.7%	
Discrepancy 14/	-0.10	-0.09	-0.01	0.21	-0.06	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	N/A	
World Oil Price (2000 dollars per barrel) 15/	17.60	27.72	22.48	17.36	17.23	17.31	17.41	17.52	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	-2.2%
Import Share of Product Supplied	0.51	0.53	0.54	0.55	0.57	0.59	0.60	0.61	0.61	0.62	0.63	0.64	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.66	0.67	1.2%
Net Expenditures for Imported Crude & Petroleum Products (billion 2000 dollars)	61.09	106.46	88.99	71.31	77.87	81.70	85.91	88.89	91.41	95.23	98.55	102.73	106.26	109.97	111.41	114.02	116.02	117.97	119.84	122.56	126.38	129.96	1.0%	
Domestic Refinery Distillation Capacity 16/	16.5	16.6	16.6	16.6	16.9	17.3	17.7	17.9	18.0	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.3	18.4	18.5	18.5	18.6	18.7	0.6%	
Capacity Utilization Rate (percent)	93.0	93.0	93.0	93.0	90.5	90.9	91.3	91.3	91.4	91.8	92.4	92.7	92.7	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	0.0%	

1/ Includes lease condensate.

2/ Strategic petroleum reserve stock additions plus unaccounted for crude oil and crude stock withdrawals minus crude products supplied.

3/ Includes alcohols, ethers, petroleum product stock withdrawals, domestic sources of blending components, other hydrocarbons, and natural gas converted to liquid fuel.

4/ Represents volumetric gain in refinery distillation and cracking processes.

5/ Includes net imports of finished petroleum products, unfinished oils, other hydrocarbons, alcohols, ethers, and blending components.

6/ Includes blending components.

7/ Total crude supply plus natural gas plant liquids, other inputs, refinery processing gain, and net petroleum imports.

8/ Includes ethanol and ethers blended into gasoline.

9/ Includes naphtha and kerosene types.

10/ Includes distillate and kerosene.

Table 11. Petroleum Supply and Disposition Balance (2 of 2)
(Million Barrels per Day, Unless Otherwise Noted)

11/ Includes aviation gasoline, liquefied petroleum gas, petrochemical feedstocks, lubricants, waxes, asphalt, road oil, still gas, special naphthas, petroleum coke, crude oil product supplied, and miscellaneous petroleum products.

12/ Includes consumption by cogenerators.

13/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy. Includes small power producers and exempt wholesale generators.

14/ Balancing item. Includes unaccounted for supply, losses and gains.

15/ Average refiner acquisition cost for imported crude oil.

16/ End-of-year capacity.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 1999 and 2000 are model results and may differ slightly from official EIA data reports.

Sources: 1999 and 2000 product supplied data from Table 2. Other 1999 data: Energy Information Administration (EIA), Petroleum Supply Annual 1999, DOE/EIA-0340(99)/1 (Washington, DC, June 2000). Other 2000 data: EIA, Petroleum Supply Annual 2000, DOE/EIA-0340(2000)/1 (Washington, DC, June 2001). Projections: EIA, AEO2002 National Energy Modeling System run sec2002.d102001b.

Table 12. Petroleum Product Prices (1 of 1)
(2000 Cents per Gallon, Unless Otherwise Noted)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020	
World Oil Price (2000 dollars per barrel)	17.60	27.72	22.48	17.36	17.23	17.31	17.41	17.52	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	-2.2%
Delivered Sector Product Prices																								
Residential																								
Distillate Fuel	88.6	130.7	125.4	115.2	95.2	95.2	95.0	95.1	94.0	93.9	94.8	95.0	95.0	94.9	96.9	97.3	97.5	97.9	97.9	97.9	98.2	98.3	98.2	-1.4%
Liquefied Petroleum Gas	90.4	117.1	106.7	104.6	102.8	103.0	103.5	104.3	104.8	104.8	104.8	105.9	105.9	106.4	106.3	106.6	106.5	106.8	106.8	106.8	106.8	106.7	106.7	-0.5%
Commercial																								
Distillate Fuel	61.8	98.2	82.1	78.7	64.2	64.2	63.9	63.9	62.8	63.6	63.7	63.6	63.4	65.6	66.3	66.8	67.7	67.7	67.7	67.7	68.3	68.5	68.5	-1.8%
Residual Fuel	39.7	51.8	58.8	54.2	43.7	44.0	44.2	44.4	44.5	44.5	44.5	44.4	44.4	44.4	44.5	44.6	44.6	44.5	44.5	44.5	44.4	44.4	44.4	-0.8%
Residual Fuel (2000 dollars per barrel)	16.68	21.77	24.69	22.77	18.37	18.40	18.56	18.64	18.70	18.70	18.87	18.68	18.68	18.66	18.89	18.72	18.70	18.69	18.69	18.67	18.67	18.65	18.65	-0.8%
Industrial 1/																								
Distillate Fuel	65.4	99.9	83.1	79.8	65.4	65.5	65.2	65.3	64.4	64.5	65.3	65.5	65.2	67.7	68.9	69.8	71.3	71.3	71.3	71.3	72.9	73.3	73.3	-1.6%
Liquefied Petroleum Gas	75.5	100.8	85.2	84.1	64.1	64.3	64.7	65.1	65.6	65.5	65.5	67.1	67.0	67.3	67.1	67.1	67.1	67.1	67.1	67.1	67.0	67.0	67.0	-2.0%
Residual Fuel	41.1	48.9	55.9	51.5	41.2	41.6	41.8	41.9	42.1	42.1	42.1	42.1	42.1	42.2	42.2	42.2	42.2	42.0	42.0	42.0	42.0	42.2	42.2	-0.7%
Residual Fuel (2000 dollars per barrel)	17.28	20.95	23.48	21.61	17.32	17.45	17.54	17.62	17.68	17.68	17.68	17.68	17.66	17.67	17.70	17.72	17.72	17.65	17.65	17.65	17.63	17.71	17.71	-0.7%
Transportation																								
Diesel Fuel (Distillate) 2/	116.0	149.9	145.1	136.5	118.1	118.1	118.1	120.2	125.9	121.7	123.6	124.7	129.9	130.0	125.3	124.6	124.7	121.4	121.9	122.4	122.6	122.5	122.5	-1.0%
Jet Fuel 3/	64.9	99.3	80.0	76.8	62.9	63.3	62.1	62.5	62.6	61.9	63.2	63.4	66.1	66.3	66.3	66.9	67.4	67.2	67.3	67.4	68.7	68.5	68.5	-1.8%
Motor Gasoline 4/	121.0	152.6	152.0	137.3	122.0	121.6	121.5	124.2	126.1	125.3	126.3	126.1	124.7	124.2	124.1	123.7	122.7	120.5	120.2	119.9	119.8	119.3	119.3	-1.3%
Liquefied Petroleum Gas	112.7	136.5	120.5	118.4	113.5	113.5	113.9	114.7	115.3	114.7	115.6	115.3	116.0	115.6	116.1	116.2	115.8	115.5	115.5	114.9	114.8	114.6	114.6	-0.9%
Residual Fuel	36.7	65.6	52.5	48.1	38.0	38.2	38.4	38.6	38.8	38.8	38.7	38.7	38.7	38.6	38.6	38.7	38.6	38.6	38.6	38.6	38.5	38.5	38.5	-2.6%
Residual Fuel (2000 dollars per barrel)	16.27	27.96	22.03	20.18	15.96	16.06	16.13	16.20	16.28	16.29	16.27	16.28	16.24	16.23	16.23	16.24	16.23	16.21	16.20	16.19	16.17	16.17	16.17	-2.6%
Ethanol (E85)	132.4	155.3	155.3	155.3	156.0	172.8	161.9	161.7	167.7	171.4	176.0	186.4	186.8	189.8	190.5	191.1	191.6	184.4	185.1	185.8	181.8	182.5	182.5	0.8%
Electricity Generators 5/																								
Distillate Fuel	58.6	95.6	76.7	72.2	57.1	57.2	57.1	57.6	56.4	56.4	57.1	56.3	55.2	55.5	57.9	59.1	59.7	60.6	60.5	60.6	60.7	61.0	61.0	-2.2%
Residual Fuel	36.7	61.5	56.4	51.7	40.7	41.2	41.4	41.5	41.3	41.4	41.3	41.6	41.6	41.7	41.9	42.1	42.1	42.1	42.2	42.2	42.2	42.3	42.3	-1.9%
Residual Fuel (2000 dollars per barrel)	15.39	25.84	23.67	21.70	17.09	17.31	17.37	17.42	17.34	17.38	17.35	17.46	17.47	17.51	17.58	17.68	17.70	17.70	17.72	17.73	17.72	17.75	17.75	-1.9%
Refined Petroleum Product Prices 6/																								
Distillate Fuel	102.1	137.7	130.5	123.2	105.5	105.6	104.2	107.5	111.5	108.7	110.5	111.4	114.8	114.5	112.2	111.8	112.0	109.8	110.0	110.0	110.3	109.9	109.9	-1.1%
Jet Fuel 3/	64.9	99.3	80.0	76.8	62.9	63.3	62.1	62.5	62.6	61.9	63.2	63.4	66.1	66.3	66.3	66.9	67.4	67.2	67.3	67.4	68.7	68.5	68.5	-1.8%
Liquefied Petroleum Gas	78.5	103.5	73.8	71.3	70.7	71.0	71.3	71.8	72.3	72.2	72.2	73.7	73.4	73.7	73.5	73.5	73.5	73.5	73.4	73.3	73.3	73.2	73.2	-1.7%
Motor Gasoline 4/	121.0	152.6	152.0	137.3	122.0	121.5	121.5	124.2	126.1	125.3	126.1	124.7	124.2	124.1	123.7	122.7	120.5	120.2	119.9	119.8	119.3	119.3	119.3	-1.2%
Residual Fuel	38.1	61.5	54.7	49.5	38.4	39.8	39.9	40.1	40.2	40.2	40.2	40.3	40.2	40.3	40.4	40.5	40.5	40.5	40.5	40.5	40.4	40.5	40.5	-2.1%
Residual Fuel (2000 dollars per barrel)	16.01	25.83	22.97	20.78	16.54	16.70	16.78	16.84	16.88	16.90	16.88	16.91	16.90	16.92	16.96	17.01	17.02	17.00	17.00	17.01	16.99	17.02	17.02	-2.1%
Average	99.3	130.5	123.3	114.4	100.9	100.7	100.4	102.6	104.6	103.5	104.6	104.6	105.2	104.9	104.3	104.1	103.7	102.1	102.0	101.9	102.1	101.6	101.6	-1.2%

1/ Includes cogenerators.
 2/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur. Includes Federal and State taxes while excluding county and local taxes.
 3/ Kerosene-type jet fuel.
 4/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
 5/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy. Includes small power producers and exempt wholesale generators.
 6/ Weighted averages of end-use fuel prices are derived from the prices in each sector and the corresponding sectoral consumption.
 Note: Data for 1999 and 2000 are model results and may differ slightly from official EIA data reports.
 Sources: 1999 prices for gasoline, distillate, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 1999, http://www.eia.doe.gov/pub/oi/gas/petroleum/data_publications/petroleum_marketing_annual/pma.html (August 2000). 2000 prices for gasoline, distillate, and jet fuel are based on prices in the preliminary Petroleum Marketing Annual 2000, http://www.eia.doe.gov/pub/oi/gas/petroleum/data_publications/petroleum_marketing_annual/current/pma00.pdf.
 1999 and 2000 prices for all other petroleum products are derived from EIA, State Energy Price and Expenditure Report 1997, DOE/EIA-0376(97) (Washington, DC, July 2000). Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 13. Natural Gas Supply and Disposition (1 of 1)
(Trillion Cubic Feet per Year)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Production																							
Dry Gas Production 1/	18.69	19.08	19.29	19.57	20.10	20.60	20.90	21.28	21.66	22.24	22.75	23.30	23.84	24.35	24.86	25.45	25.87	26.33	26.77	27.19	27.58	27.79	1.9%
Supplemental Natural Gas 2/	0.10	0.10	0.10	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.7%
Net Imports	-3.42	-3.52	-3.68	-3.74	-3.99	-4.26	-4.46	-4.60	-4.69	-4.75	-4.88	-5.00	-5.11	-5.21	-5.35	-5.46	-5.55	-5.61	-5.66	-5.70	-5.75	-5.77	2.9%
Canada	-3.33	-3.46	-3.51	-3.53	-3.70	-3.90	-4.04	-4.20	-4.32	-4.41	-4.50	-4.62	-4.74	-4.85	-4.99	-5.11	-5.19	-5.25	-5.29	-5.32	-5.34	-5.32	2.2%
Mexico	-0.01	-0.09	-0.05	-0.09	-0.13	-0.17	-0.22	-0.28	-0.35	-0.42	-0.43	-0.45	-0.46	-0.46	-0.47	-0.47	-0.47	-0.47	-0.47	-0.44	-0.41	-0.38	7.2%
Liquefied Natural Gas	0.10	0.16	0.22	0.30	0.42	0.53	0.64	0.67	0.71	0.76	0.81	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	8.6%
Total Supply	22.21	22.69	23.07	23.43	24.21	24.98	25.47	25.99	26.46	27.10	27.74	28.41	29.06	29.68	30.42	31.02	31.53	32.05	32.54	33.00	33.44	33.67	2.0%
Consumption by Sector																							
Residential 3/	4.72	5.00	5.05	5.23	5.36	5.43	5.42	5.45	5.48	5.53	5.54	5.57	5.61	5.66	5.68	5.72	5.76	5.81	5.84	5.89	5.95	6.02	0.9%
Commercial	3.05	3.27	3.31	3.44	3.58	3.67	3.71	3.75	3.81	3.85	3.90	3.95	4.00	4.05	4.10	4.15	4.20	4.26	4.32	4.38	4.45	4.51	1.6%
Industrial 3/	8.60	8.41	7.67	8.49	8.65	8.73	8.82	8.94	9.02	9.10	9.19	9.24	9.35	9.43	9.50	9.59	9.64	9.69	9.75	9.82	9.87	9.82	0.8%
Electricity Generators 4/	3.79	4.24	4.27	4.83	5.03	5.35	5.57	5.74	5.89	6.20	6.51	6.89	7.27	7.65	8.21	8.59	8.92	9.22	9.53	9.76	9.99	10.10	4.4%
Transportation 5/	0.02	0.02	0.03	0.03	0.04	0.05	0.06	0.06	0.07	0.07	0.08	0.09	0.09	0.10	0.11	0.11	0.12	0.12	0.13	0.13	0.13	0.14	9.7%
Pipeline Fuel	0.74	0.77	0.77	0.75	0.77	0.78	0.78	0.79	0.79	0.81	0.82	0.83	0.85	0.87	0.89	0.90	0.92	0.93	0.94	0.96	0.97	0.97	1.2%
Lease and Plant Fuel 6/	1.08	1.12	1.13	1.13	1.17	1.22	1.26	1.30	1.34	1.39	1.44	1.49	1.52	1.55	1.59	1.62	1.64	1.67	1.70	1.73	1.75	1.77	2.3%
Total	21.99	22.83	22.22	23.91	24.59	25.24	25.62	26.03	26.41	26.95	27.48	28.05	28.70	29.32	30.07	30.68	31.19	31.71	32.21	32.67	33.10	33.33	1.9%
Gas to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Discrepancy 7/	0.22	-0.13	0.85	-0.48	0.38	-0.26	-0.15	-0.04	0.05	0.15	0.26	0.35	0.36	0.35	0.36	0.35	0.34	0.34	0.33	0.34	0.34	0.34	N/A

1/ Marketed production (wet) minus extraction losses.

2/ Synthetic natural gas, propane air, coke oven gas, refinery gas, biomass gas, air injected for Btu stabilization, and manufactured gas commingled and distributed with natural gas.

3/ Includes consumption by cogenerators.

4/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy. Includes small power producers and exempt wholesale generators.

5/ Compressed natural gas used as vehicle fuel.

6/ Represents natural gas used in the field gathering and processing plant machinery.

7/ Balancing item. Natural gas lost as a result of converting flow data measured at varying temperatures and pressures to a standard temperature and pressure and the merger of different data reporting systems which vary in scope, format, definition, and respondent type. In addition, 1999 and 2000 values include net storage injections.

Btu = British thermal unit.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 1999 and 2000 are model results and may differ slightly from official EIA data reports.

Sources: 1999 supply values and consumption as lease, plant, and pipeline fuel: Energy Information Administration (EIA), Natural Gas Annual, DOE/EIA-0131(99)

(Washington, DC, October 2000). Other 1999 consumption derived from: EIA, State Energy Data Report 1999, DOE/EIA-0214(99) (Washington, DC, May 2001). 2000

supplemental natural gas: EIA, Natural Gas Monthly, DOE/EIA-0130(2001.06) (Washington, DC, June 2001). 1999 imports and dry gas production derived from: EIA,

Natural Gas Annual 1999, DOE/EIA-0131(99) (Washington, DC, October 2000). 2000 transportation sector consumption: EIA, AEO2002 National Energy Modeling System

run aeo2002.d102001b. Other 2000 consumption: EIA, Short-Term Energy Outlook, October 2001, <http://www.eia.doe.gov/pub/forecasting/steo/oldsees/oct01.pdf>

with adjustments to end-use sector consumption levels for consumption of natural gas by electric wholesale generators based on EIA, AEO2002 National Energy Modeling

System run aeo2002.d102001b. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 14. Natural Gas Prices, Margins and Revenues (1 of 1)
(2000 Dollars per Thousand Cubic Feet, Unless Otherwise Noted)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020	
Source Price																								
Average Lower 48 Wellhead Price ^{1/}	2.27	3.60	3.94	1.93	2.18	2.35	2.43	2.47	2.49	2.57	2.63	2.70	2.76	2.84	2.89	2.93	2.97	2.99	3.01	3.02	3.05	3.07	-0.9%	
Average Import Price	2.29	3.94	4.03	1.92	2.11	2.28	2.39	2.45	2.51	2.55	2.59	2.62	2.67	2.71	2.76	2.81	2.86	2.90	2.95	3.00	3.06	3.11	-1.2%	
Average ^{2/}	2.27	3.66	3.95	1.93	2.17	2.33	2.42	2.47	2.48	2.57	2.63	2.68	2.74	2.81	2.87	2.91	2.95	2.97	3.00	3.01	3.05	3.08	-0.9%	
Delivered Prices																								
Residential	6.84	7.85	9.06	6.50	6.64	6.75	6.78	6.75	6.70	6.72	6.72	6.72	6.75	6.80	6.84	6.86	6.88	6.89	6.91	6.91	6.92	6.94	-0.8%	
Commercial	5.49	6.40	7.76	5.17	5.34	5.45	5.49	5.48	5.43	5.46	5.47	5.47	5.52	5.58	5.63	5.66	5.69	5.71	5.73	5.75	5.77	5.80	-0.5%	
Industrial ^{3/}	3.09	4.43	4.75	2.86	2.89	3.05	3.14	3.18	3.19	3.27	3.33	3.40	3.46	3.53	3.59	3.63	3.67	3.70	3.72	3.75	3.79	3.82	-0.7%	
Electricity Generators ^{4/}	2.69	4.49	4.47	2.59	2.77	2.93	3.00	3.03	3.04	3.10	3.17	3.23	3.31	3.38	3.46	3.51	3.56	3.60	3.63	3.66	3.70	3.73	-0.9%	
Transportation ^{5/}	6.31	8.36	8.49	6.23	6.36	6.49	6.56	6.61	6.64	6.73	6.80	6.86	6.91	6.98	7.04	7.09	7.11	7.13	7.14	7.15	7.16	7.18	-0.7%	
Average ^{6/}	4.28	5.58	6.28	3.96	4.15	4.28	4.33	4.33	4.31	4.36	4.38	4.41	4.45	4.50	4.54	4.57	4.60	4.62	4.64	4.66	4.69	4.72	-0.8%	
Transmission & Distribution Margins^{7/}																								
Residential	4.57	4.19	5.11	4.57	4.47	4.41	4.36	4.28	4.21	4.15	4.10	4.04	4.01	3.99	3.98	3.95	3.94	3.92	3.91	3.90	3.88	3.86	-0.4%	
Commercial	3.22	2.74	3.81	3.24	3.17	3.12	3.07	3.01	2.94	2.89	2.84	2.79	2.77	2.77	2.76	2.75	2.74	2.74	2.74	2.74	2.73	2.73	0.0%	
Industrial ^{3/}	0.62	0.78	0.80	0.73	0.73	0.72	0.71	0.71	0.70	0.70	0.71	0.72	0.72	0.72	0.72	0.72	0.72	0.73	0.73	0.73	0.74	0.74	-0.2%	
Electricity Generators ^{4/}	0.42	0.83	0.52	0.66	0.61	0.59	0.57	0.56	0.55	0.53	0.54	0.54	0.56	0.57	0.59	0.61	0.62	0.63	0.64	0.65	0.66	0.66	-1.2%	
Transportation ^{5/}	4.04	4.61	4.53	4.30	4.19	4.15	4.13	4.14	4.14	4.17	4.17	4.17	4.17	4.17	4.18	4.18	4.18	4.17	4.16	4.15	4.13	4.12	4.09	-0.8%
Average ^{6/}	1.99	1.92	2.31	2.03	1.98	1.94	1.90	1.86	1.82	1.79	1.76	1.73	1.71	1.69	1.68	1.66	1.66	1.65	1.65	1.64	1.64	1.64	-0.8%	
Transmission & Distribution Revenue (Billion 2000 dollars)																								
Residential	21.58	20.96	25.78	23.87	23.95	23.97	23.62	23.35	23.07	22.95	22.70	22.49	22.51	22.61	22.69	22.60	22.65	22.78	22.83	22.94	23.05	23.21	0.9%	
Commercial	9.83	8.98	12.62	11.15	11.34	11.45	11.37	11.28	11.19	11.15	11.09	11.03	11.10	11.21	11.32	11.41	11.53	11.68	11.83	11.98	12.12	12.27	1.6%	
Industrial ^{3/}	7.01	6.55	6.11	6.23	6.28	6.30	6.32	6.34	6.41	6.52	6.62	6.74	6.79	6.88	6.94	7.00	7.05	7.12	7.23	7.29	7.31	0.6%		
Electricity Generators ^{4/}	1.60	3.53	2.22	3.21	3.05	3.18	3.18	3.21	3.22	3.31	3.32	3.35	4.11	4.35	4.45	5.21	5.50	5.83	6.09	6.36	6.55	6.80	3.2%	
Transportation ^{5/}	0.06	0.10	0.13	0.15	0.16	0.20	0.23	0.26	0.28	0.31	0.34	0.37	0.40	0.42	0.45	0.47	0.49	0.50	0.52	0.53	0.54	0.55	9.1%	
Total	40.08	40.12	46.86	44.62	44.80	45.08	44.69	44.41	44.10	44.12	44.17	44.25	44.86	45.37	46.09	46.63	47.16	47.86	48.39	49.04	49.56	49.94	1.1%	

^{1/} Represents lower 48 onshore and offshore supplies.

^{2/} Quantity-weighted average of the average lower 48 wellhead price and the average price of imports at the U.S. border.

^{3/} Includes consumption by cogenerators.

^{4/} Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy. Includes small power producers and exempt wholesale generators.

^{5/} Compressed natural gas used as a vehicle fuel. Price includes estimated motor vehicle fuel taxes.

^{6/} Weighted average prices and margins. Weights used are the sectoral consumption values excluding lease, plant, and pipeline fuel.

^{7/} Within the table, "transmission and distribution" margins equal the difference between the delivered price and the source price (average of the wellhead price and the price of imports at the U.S. border) of natural gas and, thus, reflect the total cost of bringing natural gas to market. When the term "transmission and distribution" margins is used in today's natural gas market, it generally does not include the cost of independent natural gas marketers or costs associated with aggregation of supplies, provisions of storage, and other services. As used here, the term includes the cost of all services and the cost of pipeline fuel used in compressor stations.

Note: Totals may not equal sum of components due to independent rounding. Data for 1999 and 2000 are model results and may differ slightly from official EIA data reports. Sources: 1999 residential, commercial, and transportation delivered prices, average lower 48 wellhead price, and average import price: Energy Information Administration (EIA), Natural Gas Annual 1999, DOE/EIA-0131(99) (Washington, DC, October 2000). 1999 electric generators delivered price: Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." 1999 and 2000 industrial delivered prices based on EIA, Manufacturing Energy Consumption Survey 1994. 2000 residential and commercial delivered prices, average lower 48 wellhead price, and average import price: EIA, Natural Gas Monthly, DOE/EIA-0130(2001/06) (Washington, DC, June 2001). Other 1999 values, other 2000 values, and projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 15. Oil and Gas Supply (1 of 1)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020-2020
Crude Oil																							
Lower 48 Average Wellhead Price 1/ (2000 dollars per barrel)	16.84	27.59	22.76	21.22	17.15	17.33	17.43	17.44	17.54	17.28	17.39	17.41	17.69	17.04	17.03	17.03	17.02	16.96	17.07	17.02	17.07	17.06	-2.4%
Production (million barrels per day) 2/																							
U.S. Total	5.87	5.80	5.80	5.81	5.53	5.41	5.25	5.15	5.11	4.98	4.85	4.75	4.68	4.65	4.79	4.86	4.92	5.04	5.15	5.16	5.01	4.94	-0.8%
Lower 48 Onshore	3.26	3.25	3.15	3.04	3.03	2.92	2.79	2.88	2.59	2.51	2.44	2.39	2.35	2.31	2.29	2.27	2.26	2.26	2.26	2.26	2.26	2.27	-1.8%
Conventional	2.59	2.60	2.53	2.43	2.43	2.34	2.22	2.12	2.04	1.96	1.90	1.85	1.82	1.79	1.77	1.76	1.75	1.75	1.76	1.77	1.78	1.79	-1.8%
Enhanced Oil Recovery	0.68	0.65	0.62	0.61	0.59	0.58	0.57	0.56	0.55	0.54	0.54	0.53	0.53	0.52	0.52	0.51	0.51	0.51	0.50	0.50	0.48	0.48	-1.5%
Lower 48 Offshore	1.55	1.61	1.71	1.82	1.67	1.66	1.68	1.69	1.75	1.74	1.72	1.67	1.64	1.60	1.73	1.77	1.78	1.80	1.80	1.88	1.59	1.59	-0.1%
Alaska	1.06	0.95	0.94	0.95	0.89	0.84	0.78	0.78	0.77	0.73	0.70	0.69	0.69	0.74	0.78	0.82	0.89	1.00	1.09	1.10	1.07	1.08	0.7%
Lower 48 End of Year Reserves (billion barrels) 2/	18.27	18.29	17.47	16.69	16.03	15.46	14.95	14.57	14.14	13.74	13.36	13.05	12.81	12.84	12.78	12.70	12.63	12.59	12.56	12.32	12.13	12.03	-2.1%
Natural Gas																							
Lower 48 Average Wellhead Price 1/ (2000 dollars per thousand cubic feet)	2.27	3.60	3.94	1.93	2.18	2.35	2.43	2.47	2.49	2.57	2.63	2.70	2.76	2.84	2.89	2.93	2.97	2.99	3.01	3.02	3.05	3.07	-0.8%
Dry Production (trillion cubic feet) 3/																							
U.S. Total	18.69	19.08	19.29	19.57	20.10	20.60	20.90	21.28	21.66	22.24	22.75	23.30	23.84	24.35	24.86	25.45	25.87	26.33	26.77	27.19	27.58	27.79	1.9%
Lower 48 Onshore	12.89	13.31	13.62	13.73	14.09	14.36	14.46	14.66	14.88	15.27	15.72	16.32	17.00	17.68	18.34	18.85	19.31	19.66	20.08	20.43	20.72	20.92	2.3%
Associated-Dissolved 4/	1.74	1.79	1.83	1.78	1.72	1.68	1.63	1.56	1.51	1.47	1.43	1.40	1.38	1.36	1.35	1.34	1.33	1.33	1.33	1.33	1.33	1.33	-1.6%
Non-Associated	11.14	11.52	11.79	11.95	12.37	12.69	12.84	13.10	13.37	13.80	14.29	14.91	15.62	16.32	16.99	17.51	17.96	18.33	18.75	19.10	19.39	19.58	2.7%
Conventional	6.64	6.89	6.86	7.02	6.80	6.86	7.06	7.20	7.33	7.50	7.78	8.14	8.55	8.96	9.41	9.76	10.10	10.31	10.46	10.62	10.70	10.73	2.2%
Unconventional	4.50	4.63	4.92	4.93	5.57	5.71	5.78	5.96	6.05	6.30	6.51	6.77	7.07	7.35	7.58	7.75	7.86	8.02	8.29	8.48	8.69	8.86	3.3%
Lower 48 Offshore	5.38	5.34	5.21	5.37	5.53	5.75	5.94	6.12	6.27	6.45	6.51	6.45	6.39	6.32	6.07	6.04	5.99	6.09	6.11	6.17	6.26	6.27	0.8%
Associated-Dissolved 4/	1.17	1.16	1.18	1.21	1.24	1.18	1.19	1.20	1.22	1.22	1.21	1.21	1.20	1.19	1.18	1.21	1.22	1.22	1.23	1.23	1.23	1.20	0.1%
Non-Associated	4.21	4.18	4.03	4.16	4.29	4.57	4.75	4.92	5.06	5.23	5.29	5.24	5.10	4.94	4.89	4.83	4.77	4.88	4.88	4.94	5.03	5.08	1.0%
Alaska	0.42	0.43	0.46	0.47	0.48	0.49	0.50	0.51	0.51	0.52	0.53	0.53	0.54	0.55	0.56	0.56	0.57	0.58	0.58	0.59	0.60	0.60	1.7%
Lower 48 End of Year Dry Reserves (tcf) 3/	158.47	162.31	166.93	162.33	162.64	162.26	162.97	163.88	164.04	163.78	163.46	163.49	163.77	165.30	165.85	166.63	168.17	170.08	172.36	173.60	174.61	175.20	0.4%
Supplemental Gas Supplies (tcf) 5/	0.10	0.10	0.10	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.7%
Lower 48 Wells (thousands)	18.87	24.05	23.26	21.81	18.69	19.59	20.74	21.43	20.26	20.94	21.86	22.54	23.13	23.59	23.87	23.98	24.53	26.97	27.90	28.77	29.97	30.79	1.2%

1/ Represents lower 48 onshore and offshore supplies.

2/ Includes lease condensate.

3/ Marketed production (well) minus extraction losses.

4/ Gas which occurs in crude oil reserves, either as free gas (associated) or as gas in solution with crude oil (dissolved).

5/ Synthetic natural gas, propane air, coke oven gas, refinery gas, biomass gas, air injected for Btu stabilization, and manufactured gas commingled and distributed with natural gas.

Btu = British thermal unit.

Tcf = Trillion cubic feet.

Note: Totals may not equal sum of components due to independent rounding. Data for 1999 and 2000 are model results and may differ slightly from official EIA data reports.

Sources: 1999 lower 48 onshore, lower 48 offshore, Alaska crude oil production: Energy Information Administration (EIA), Petroleum Supply Annual 1999, DOE/EIA-0340(99)/y1 (Washington, DC, June 2000). 1999 U.S. crude oil and natural gas reserves: EIA, U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, DOE/EIA-0216(99)

(Washington, DC, December 2000). 1999 natural gas lower 48 average wellhead price and total natural gas production: EIA, Natural Gas Annual 1999, DOE/EIA-0131(99)

(Washington, DC, October 2000). 2000 lower 48 onshore, lower 48 offshore, and Alaska crude oil production: EIA, Petroleum Supply Annual 2000, DOE/EIA-0340(2000)/1

(Washington, DC, June 2001). 2000 natural gas lower 48 average wellhead price, Alaska and total natural gas production, and supplemental gas supplies: EIA, Natural Gas

Monthly, DOE/EIA-0130(2001/06) (Washington, DC, June 2001). Other 1999 and 2000 values: EIA, Office of Integrated Analysis and Forecasting. Projections: EIA,

AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 16. Coal Supply, Disposition, and Prices (1 of 1)
(Million Short Tons per Year, Unless Otherwise Noted)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-	
Production 1/																								
Appalachia	435	430	441	431	427	440	439	436	439	438	438	432	429	426	423	421	417	413	411	405	403	401	-0.3%	
Interior	163	144	151	168	161	169	167	165	165	163	155	155	140	142	141	140	139	139	139	136	137	137	-0.2%	
West	512	610	575	541	570	573	601	633	661	673	686	699	720	726	734	742	754	765	781	798	816	830	2.5%	
East of the Mississippi	539	518	535	538	535	549	548	543	548	545	541	534	528	527	524	521	517	514	511	505	505	504	-0.1%	
West of the Mississippi	571	566	631	603	624	632	659	691	717	728	739	751	761	767	775	782	793	804	820	836	850	864	2.1%	
Total	1110	1084	1167	1141	1159	1181	1207	1235	1265	1274	1290	1285	1289	1294	1298	1302	1311	1318	1331	1341	1355	1368	1.2%	
Net Imports																								
Imports	9	13	17	18	18	18	18	18	18	18	18	19	19	19	19	19	19	19	19	20	20	20	2.3%	
Exports	58	58	55	57	57	56	56	56	56	57	57	56	57	57	55	54	53	53	54	54	54	55	-0.3%	
Total	-49	-46	-39	-40	-39	-38	-38	-38	-38	-38	-38	-37	-38	-38	-38	-35	-34	-34	-34	-34	-35	-35	-1.4%	
Total Supply 2/	1061	1038	1128	1101	1120	1143	1169	1197	1227	1236	1242	1248	1251	1256	1262	1268	1277	1284	1297	1307	1320	1333	1.3%	
Consumption by Sector																								
Residential and Commercial	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	0.8%	
Industrial 3/	82	82	78	76	77	79	79	79	80	80	80	80	81	82	82	82	82	83	84	84	85	85	86	0.2%
Coke Plants	28	29	26	27	26	26	26	26	25	25	25	24	24	23	23	22	22	22	21	21	20	20	-1.9%	
Electricity Generators 4/	929	964	977	984	1014	1036	1062	1090	1119	1128	1134	1141	1144	1148	1155	1160	1169	1177	1189	1199	1212	1225	1.2%	
Total	1045	1081	1087	1091	1122	1145	1171	1200	1229	1238	1244	1250	1254	1259	1265	1271	1280	1288	1300	1310	1323	1336	1.1%	
Discrepancy and Stock Change 5/	16	-43	41	10	-2	-2	-2	-3	-3	-2	-3	-2	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	N/A	
Average Mnemouth Price																								
(2000 dollars per short ton)	17.01	16.45	16.16	16.03	15.49	15.55	15.21	14.86	14.59	14.39	14.15	13.96	13.72	13.62	13.54	13.40	13.27	13.18	13.04	12.88	12.77	12.67	-1.3%	
(2000 dollars per million Btu)	0.82	0.79	0.78	0.77	0.75	0.75	0.74	0.72	0.71	0.70	0.69	0.68	0.67	0.67	0.66	0.66	0.65	0.65	0.64	0.64	0.63	0.63	-1.1%	
Delivered Price (2000 dollars per short ton) 6/																								
Industrial	32.31	31.84	30.55	29.93	29.34	29.16	28.91	28.67	28.44	28.18	27.90	27.74	27.50	27.32	27.22	26.93	26.77	26.62	26.39	26.17	25.91	25.73	-1.1%	
Coke Plants	46.69	44.41	44.20	43.77	43.19	42.79	42.67	42.51	41.98	41.85	41.59	41.25	41.20	41.04	40.78	40.65	40.19	39.97	39.80	39.41	39.25	38.97	-0.7%	
Electricity Generators																								
(2000 dollars per short ton)	25.28	24.44	24.15	23.38	23.02	22.90	22.46	21.90	21.54	21.25	20.95	20.70	20.37	20.39	20.24	20.03	19.86	19.69	19.44	19.17	18.97	18.74	-1.3%	
(2000 dollars per million Btu)	1.22	1.21	1.19	1.15	1.14	1.13	1.11	1.09	1.07	1.06	1.05	1.04	1.03	1.02	1.01	1.01	0.99	0.98	0.97	0.96	0.95	0.95	-1.2%	
Average	25.75	25.50	25.10	24.34	23.93	23.79	23.34	22.79	22.41	22.12	21.80	21.55	21.41	21.22	21.07	20.85	20.66	20.48	20.22	19.95	19.73	19.50	-1.3%	
Exports 7/	37.33	34.90	37.03	36.66	36.36	36.23	36.18	36.09	35.76	35.62	35.43	35.27	35.03	34.88	34.81	34.73	34.46	34.29	34.12	33.81	33.65	33.42	-0.2%	

1/ Includes anthracite, bituminous coal, lignite, and waste coal delivered to independent power producers. Waste coal deliveries totaled 8.5 million tons in 1995, 8.8 million tons in 1996, 8.1 million tons in 1997, 8.6 million tons in 1998, and are projected to reach 9.6 million tons in 1999, and 12.2 million tons in 2000.

2/ Production plus net imports and net storage withdrawals.

3/ Includes consumption by cogenerators.

4/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy. Includes small power producers and exempt wholesale generators.

5/ Balancing item: the sum of production, net imports, and net storage minus total consumption.

6/ Sectoral prices weighted by consumption tonnage; weighted average excludes residential/ commercial prices and export free-alongside-ship (f.a.s.) prices.

7/ F.a.s. price at U.S. port of exit.

Btu = British thermal unit.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 1999 and 2000 are model results and may differ slightly from official EIA data reports. Sources: 1999. Energy Information Administration (EIA), Coal Industry Annual 1999, DOE/EIA-0584(99) (Washington, DC, June 2001). 2000 data based on EIA, Quarterly Coal Report, DOE/EIA-0121(2000/4Q) (Washington, DC, October-December 2000) and EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

**Table 17. Renewable Energy Generating Capability and Generation (1 of 1)
(Gigawatts, Unless Otherwise Noted)**

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020	
Electricity Generators (excluding cogens) 1/																								
Net Summer Capability																								
Conventional Hydropower	79.30	79.30	79.30	79.51	79.63	79.71	79.73	79.92	79.92	79.92	79.92	79.90	79.90	79.90	79.80	79.90	79.90	79.90	79.90	79.90	79.90	79.90	79.90	0.0%
Geothermal 2/	2.79	2.85	2.86	2.91	2.99	2.97	3.05	3.16	3.20	3.27	3.30	3.50	3.67	3.78	4.01	4.19	4.35	4.52	4.70	4.85	5.00	5.15	5.30	3.0%
Municipal Solid Waste 3/	2.75	2.84	3.15	3.24	3.35	3.41	3.48	3.52	3.57	3.63	3.67	3.71	3.75	3.80	3.84	3.88	3.92	4.00	4.01	4.13	4.21	4.23	4.23	2.0%
Wood and Other Biomass 4/	1.37	1.39	1.41	1.51	1.54	1.59	1.61	1.64	1.66	1.68	1.71	1.73	1.74	1.75	1.76	1.76	1.78	1.79	1.84	1.93	1.93	1.97	1.81	1.8%
Solar Thermal	0.33	0.33	0.33	0.33	0.34	0.34	0.34	0.34	0.35	0.35	0.36	0.36	0.37	0.37	0.38	0.38	0.39	0.39	0.40	0.40	0.40	0.41	1.0%	1.0%
Solar Photovoltaic 5/	0.01	0.01	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.11	0.12	0.14	0.15	0.17	0.19	0.20	0.22	0.24	0.26	0.27	19.8%	19.8%
Wind	2.33	2.42	4.29	5.26	5.82	6.27	6.82	6.96	7.20	7.33	7.57	7.65	7.85	7.91	8.09	8.23	8.39	8.43	8.45	8.48	8.55	8.63	8.63	6.6%
Total	88.87	93.13	91.43	92.78	93.70	94.33	95.14	95.61	95.96	96.27	96.71	96.95	97.40	97.64	98.12	98.51	98.92	99.23	99.52	99.93	100.25	100.55	100.55	0.6%
Generation (billion kilowatthours)																								
Conventional Hydropower	310.30	272.33	223.99	285.36	301.03	301.17	301.26	301.66	301.60	301.48	301.35	301.14	300.98	300.86	300.76	300.65	300.55	300.47	300.31	300.19	300.12	300.00	300.00	0.6%
Geothermal 2/	15.27	13.52	13.73	14.00	14.58	14.99	15.67	16.77	17.00	17.71	18.59	19.57	20.88	21.93	23.68	25.31	26.62	28.07	29.59	30.84	32.09	33.29	33.29	4.6%
Municipal Solid Waste 3/	17.96	20.15	21.81	22.96	23.72	24.28	24.73	25.10	25.40	25.85	26.16	26.46	26.77	27.08	27.39	27.70	28.00	28.53	28.73	29.63	30.25	30.39	30.39	2.1%
Wood and Other Biomass 4/	7.51	8.37	9.60	10.97	13.92	13.77	14.45	14.39	14.97	15.24	15.80	20.28	19.92	21.17	19.82	17.95	18.03	18.71	16.29	16.62	14.80	17.38	17.38	3.3%
Dedicated Plants	7.01	7.46	7.61	8.10	8.41	8.72	8.93	9.09	9.24	9.39	9.52	9.72	9.81	9.87	9.93	9.92	10.02	10.14	10.39	11.02	11.02	11.25	11.25	2.1%
Cofiring	0.51	0.91	2.00	2.87	5.41	5.05	5.52	5.30	5.73	5.85	6.28	10.56	10.12	11.30	9.89	8.03	8.01	8.57	5.90	5.60	3.78	6.13	10.0%	
Solar Thermal	0.87	0.87	0.87	0.87	0.88	0.89	0.90	0.91	0.92	0.94	0.95	0.96	0.98	1.00	1.02	1.04	1.05	1.06	1.08	1.09	1.10	1.12	1.12	1.3%
Solar Photovoltaic	0.00	0.01	0.03	0.04	0.07	0.09	0.11	0.14	0.16	0.19	0.22	0.26	0.29	0.33	0.37	0.41	0.46	0.50	0.55	0.59	0.63	0.68	22.8%	
Wind	4.17	5.30	8.64	12.05	13.96	15.30	16.74	17.49	18.05	18.52	19.09	19.45	19.98	20.28	20.68	21.23	21.71	21.88	21.97	22.09	22.33	22.60	22.60	7.5%
Total	356.09	320.64	278.67	346.25	368.06	370.47	373.86	376.45	378.12	379.92	382.16	388.13	389.82	392.65	393.72	394.28	396.42	399.24	398.51	401.06	401.32	405.46	405.46	1.2%
Cogenerators 6/																								
Net Summer Capability																								
Municipal Solid Waste	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.0%
Biomass	5.26	5.26	5.26	5.26	5.51	5.71	5.95	6.18	6.39	6.40	6.53	6.65	6.91	7.12	7.30	7.47	7.64	7.83	8.01	8.17	8.32	8.45	8.45	2.4%
Total	5.77	5.77	5.77	5.77	6.02	6.22	6.46	6.68	6.90	6.91	7.03	7.16	7.42	7.63	7.81	7.98	8.15	8.34	8.52	8.68	8.83	8.96	8.96	2.2%
Generation (billion kilowatthours)																								
Municipal Solid Waste	3.23	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	0.0%
Biomass	29.97	29.63	29.63	29.63	31.20	32.43	33.93	35.28	36.63	36.63	37.38	38.16	39.73	40.99	42.09	43.14	44.18	45.34	46.42	47.42	48.31	49.13	49.13	2.6%
Total	33.20	32.93	32.93	32.93	34.50	35.72	37.23	38.58	39.93	39.93	40.67	41.46	43.03	44.28	45.39	46.44	47.47	48.64	49.72	50.71	51.60	52.43	52.43	2.4%
Other End-Use Generators 7/																								
Net Summer Capability																								
Conventional Hydropower 8/	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.0%
Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic 5/	0.01	0.02	0.03	0.05	0.06	0.08	0.11	0.15	0.19	0.24	0.31	0.39	0.39	0.40	0.41	0.41	0.42	0.43	0.44	0.44	0.45	0.46	0.46	17.6%
Total	0.99	0.99	1.01	1.02	1.04	1.06	1.09	1.13	1.17	1.22	1.29	1.36	1.37	1.38	1.38	1.39	1.40	1.41	1.41	1.41	1.42	1.43	1.44	1.9%
Generation (billion kilowatthours)																								
Conventional Hydropower 8/	6.45	3.98	3.37	4.14	4.33	4.33	4.33	4.33	4.33	4.33	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.31	4.31	4.31	4.31	4.31	4.31	0.4%
Geothermal	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic	0.01	0.04	0.06	0.10	0.13	0.18	0.23	0.32	0.40	0.51	0.65	0.81	0.83	0.85	0.86	0.88	0.89	0.91	0.93	0.94	0.96	0.98	0.98	17.6%
Total	6.60	4.02	3.43	4.24	4.47	4.51	4.56	4.64	4.73	4.84	4.98	5.14	5.15	5.16	5.16	5.19	5.21	5.22	5.24	5.25	5.27	5.29	5.29	1.4%

1/ Includes grid-connected utilities and nonutilities other than cogenerators. These nonutility facilities include small power producers and exempt wholesale generators.

2/ Includes hydrothermal resources only (hot water and steam).

3/ Includes landfill gas.

4/ Includes projections for energy crops after 2010.

5/ Does not include off-grid photovoltaics (PV). EIA estimates that another 76 megawatts of remote electricity generation PV applications were in service in 1999, plus an additional 205 megawatts in communications, transportation and assorted other non-grid-connected applications.

6/ Cogenerators produce electricity and other useful thermal energy.

7/ Includes small on-site generating systems in the residential, commercial, and industrial sectors used primarily for own-use generation, but which may also sell some power to the grid.

8/ Represents own-use industrial hydroelectric power.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 1999 and 2000 are model results and may differ slightly from official EIA data reports.

Net summer capability has been estimated for nonutility generators for AEO2002. Net summer capability is used to be consistent with electric utility capacity estimates.

Additional retirements are determined on the basis of the size and age of the units.

Sources: 1999 and 2000 electric utility capability: Energy Information Administration (EIA), Form EIA-860A: "Annual Electric Generator Report - Utility," 1999 and 2000 nonutility and cogenerator capability: EIA, Form EIA, Form EIA-860B: "Annual Electric Generator Report - Nonutility," 1999 and 2000 generation: EIA, Annual Energy Review 2000, DOE/EIA-0384(2000) (Washington, DC, August 2001). Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 18. Renewable Energy Consumption by Sector and Source 1/ (1 of 1)
(Quadrillion Btu per Year)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-
Marketed Renewable Energy 2/																							
Residential	0.40	0.43	0.42	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.2%
Wood	0.40	0.43	0.42	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.2%
Commercial	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.0%
Biomass	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.0%
Industrial 3/	2.29	2.41	2.41	2.47	2.54	2.60	2.67	2.73	2.79	2.80	2.85	2.90	2.97	3.03	3.09	3.14	3.19	3.25	3.30	3.35	3.40	3.44	1.8%
Conventional Hydroelectric	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	N/A
Municipal Solid Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Biomass	2.09	2.21	2.21	2.27	2.34	2.40	2.47	2.53	2.59	2.60	2.65	2.70	2.77	2.83	2.89	2.94	2.99	3.05	3.10	3.15	3.20	3.24	1.9%
Transportation	0.12	0.14	0.14	0.14	0.21	0.21	0.21	0.22	0.22	0.23	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.26	0.27	0.27	0.27	0.27	3.5%
Ethanol used in E85 4/	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	N/A
Ethanol used in Gasoline Blending	0.12	0.14	0.14	0.14	0.19	0.19	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.22	0.22	0.23	0.23	0.23	0.23	0.24	0.24	0.24	2.7%
Electricity Generators 5/	3.91	3.65	3.13	3.84	4.08	4.12	4.17	4.22	4.25	4.28	4.33	4.41	4.46	4.51	4.56	4.60	4.65	4.72	4.74	4.80	4.83	4.89	1.6%
Conventional Hydroelectric	3.21	2.82	2.32	2.95	3.11	3.12	3.12	3.12	3.12	3.12	3.12	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.10	3.10	3.10	3.10	0.5%
Geothermal	0.28	0.28	0.29	0.30	0.32	0.33	0.36	0.39	0.40	0.42	0.45	0.48	0.52	0.56	0.61	0.67	0.71	0.75	0.80	0.84	0.88	0.92	6.0%
Municipal Solid Waste 6/	0.27	0.28	0.30	0.31	0.32	0.33	0.34	0.34	0.35	0.35	0.36	0.36	0.36	0.37	0.37	0.38	0.39	0.39	0.39	0.40	0.41	0.41	2.0%
Biomass	0.11	0.11	0.12	0.14	0.17	0.17	0.18	0.18	0.19	0.19	0.20	0.24	0.24	0.25	0.26	0.27	0.28	0.29	0.30	0.30	0.31	0.31	3.3%
Dedicated Plants	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.14	0.14	0.14	1.8%
Cofiring	0.01	0.01	0.03	0.04	0.07	0.06	0.07	0.07	0.07	0.07	0.08	0.13	0.12	0.13	0.12	0.10	0.10	0.07	0.07	0.07	0.07	0.07	9.5%
Solar Thermal	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	3.6%
Solar Photovoltaic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Wind	0.05	0.05	0.09	0.12	0.14	0.16	0.17	0.18	0.18	0.19	0.20	0.20	0.21	0.21	0.21	0.22	0.22	0.22	0.23	0.23	0.23	0.23	7.5%
Total Marketed Renewable Energy	6.61	6.60	6.18	6.96	7.34	7.44	7.57	7.68	7.77	7.83	7.92	8.06	8.19	8.31	8.42	8.52	8.62	8.75	8.83	8.94	9.02	9.13	1.8%
Sources of Ethanol																							
From Corn	0.12	0.14	0.14	0.14	0.20	0.21	0.21	0.21	0.21	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.21	2.1%
From Cellulose	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.05	0.06	0.06	N/A
Total	0.12	0.14	0.14	0.14	0.21	0.21	0.21	0.22	0.22	0.23	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.26	0.27	0.27	0.27	0.27	3.5%
Non-Marketed Renewable Energy																							
-- Selected Consumption 7/																							
Residential	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.08	3.1%
Solar Hot Water Heating	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	1.8%
Geothermal Heat Pumps	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	4.4%
Solar Photovoltaic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.2%
Commercial	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	1.2%
Solar Thermal	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.8%
Solar Photovoltaic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.4%

1/ Actual heat rates used to determine fuel consumption for all renewable fuels except hydropower, solar, and wind. Consumption at hydroelectric, solar, and wind facilities determined by using the fossil fuel equivalent of 10,280 Btu per kilowatt-hour.

2/ Includes nonelectric renewable energy groups for which the energy source is bought and sold in the marketplace, although all transactions may not necessarily be marketed, and marketed renewable energy inputs for electricity entering the marketplace on the electric power grid. Excludes electricity imports; see Table 8.

3/ Includes all electricity production by industrial and other cogenerators for the grid and for own use.

4/ Excludes motor gasoline component of E85.

5/ Includes renewable energy delivered to the grid from electric utilities and nonutilities. Renewable energy used in generating electricity for own use is included in the individual sectoral electricity energy consumption values.

6/ Includes landfill gas.

7/ Includes selected renewable energy consumption data for which the energy is not bought or sold, either directly or indirectly as an input to marketed energy. The Energy Information Administration does not estimate or project total consumption of nonmarketed renewable energy.

Btu = British thermal unit.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 1999 and 2000 are model results and may differ slightly from official EIA data reports.

Sources: 1999 and 2000 ethanol: Energy Information Administration (EIA), Annual Energy Review 2000, DOE/EIA-0384(2000) (Washington, DC, August 2001); 1999 and 2000 electric generators: EIA, Form EIA-860A: "Annual Electric Generator Report - Utility" and Form EIA-860B: "Annual Electric Generator Report - Nonutility." Other 1999 and 2000: EIA, Office of Integrated Analysis and Forecasting. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 19. Carbon Dioxide Emissions by Sector and Source (1 of 1)
(Million Metric Tons Carbon Equivalent, Unless Otherwise Noted)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Residential																							
Petroleum	27.3	27.5	26.5	26.3	26.7	26.9	26.7	26.5	26.3	26.2	26.0	25.8	25.7	25.6	25.4	25.3	25.1	25.1	24.9	24.8	24.8	24.8	-0.5%
Natural Gas	69.9	73.2	74.7	77.4	79.3	80.4	80.3	80.7	81.2	81.8	82.0	82.4	83.1	83.8	84.1	84.6	85.2	86.0	86.4	87.2	88.0	89.1	1.9%
Coal	1.2	1.2	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.3%
Electricity	192.9	204.0	211.8	211.7	220.2	226.1	230.0	233.2	236.7	238.5	239.3	240.8	242.6	245.7	246.2	251.1	254.2	256.9	259.8	262.4	266.0	269.9	1.4%
Total	291.4	305.8	314.0	316.5	327.3	334.5	338.1	341.6	345.5	347.9	348.7	350.4	352.7	356.5	359.1	362.3	365.8	369.3	372.4	375.7	380.0	385.1	1.2%
Commercial																							
Petroleum	13.1	14.2	12.5	12.7	13.2	13.5	13.7	13.8	14.1	14.3	14.4	14.6	14.7	14.9	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	0.8%
Natural Gas	45.1	49.3	49.0	50.9	53.0	54.3	54.9	55.6	56.3	57.0	57.7	58.5	59.2	60.0	60.7	61.4	62.2	63.1	64.0	64.9	65.8	66.7	1.5%
Coal	1.8	1.8	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.0	2.0	0.5%
Electricity	186.0	195.6	201.5	200.4	208.3	215.6	222.1	228.4	234.9	238.9	242.9	246.8	250.9	255.4	260.6	265.3	269.7	273.2	278.1	281.8	286.3	290.2	2.0%
Total	246.0	260.8	264.6	266.6	276.1	285.1	292.4	299.6	307.1	311.9	316.8	321.7	326.7	332.1	338.2	343.7	349.1	353.5	359.4	364.2	369.7	374.7	1.8%
Industrial 1/																							
Petroleum	97.7	93.7	90.4	92.5	96.5	98.7	100.4	101.4	103.8	105.5	106.8	109.4	111.6	112.4	113.7	114.2	115.6	116.4	117.3	118.8	119.7	121.7	1.3%
Natural Gas 2/	138.3	136.2	128.1	140.2	142.8	144.9	146.7	149.0	150.8	152.5	154.7	156.0	158.2	159.8	161.4	163.1	164.1	165.4	166.8	167.9	169.3	168.7	1.1%
Coal	64.1	65.2	62.1	61.1	61.9	62.5	62.9	63.0	63.1	63.1	63.2	63.2	63.5	63.6	63.6	63.6	63.8	64.0	64.2	64.5	64.6	64.7	0.0%
Electricity	178.3	183.0	176.0	172.9	179.6	184.7	188.9	192.8	197.7	200.0	202.0	205.2	208.3	210.5	213.4	215.6	217.7	219.3	222.2	224.3	226.9	228.6	1.1%
Total	478.4	478.1	456.6	466.7	480.8	490.7	498.9	506.2	515.3	521.1	526.7	533.7	541.6	546.4	552.1	556.5	561.2	565.2	570.5	575.6	580.6	583.7	1.0%
Transportation																							
Petroleum 3/	487.8	502.5	510.5	521.5	539.3	551.7	564.6	574.7	585.6	598.7	612.4	625.7	639.8	652.4	664.3	675.0	685.6	696.9	707.7	718.2	728.8	738.0	1.9%
Natural Gas 4/	11.0	11.4	11.8	11.7	11.9	12.2	12.4	12.6	12.8	13.1	13.3	13.6	14.0	14.3	14.7	15.0	15.3	15.6	15.8	16.0	16.2	16.4	1.8%
Other 5/	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A
Electricity	2.9	3.0	3.1	3.1	3.2	3.4	3.5	3.6	3.7	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.7	4.8	5.0	5.2	2.8%
Total 3/	501.5	516.9	525.5	536.3	554.5	567.4	580.5	590.9	602.1	615.6	629.6	643.3	657.9	670.9	683.3	694.4	705.4	717.1	728.3	739.2	750.1	759.6	1.9%
Total by Delivered Fuel																							
Petroleum 3/	625.7	637.9	639.9	652.9	675.6	690.9	705.4	716.5	729.8	744.7	759.6	775.5	791.9	805.4	818.5	829.5	841.6	853.7	865.4	877.5	888.9	900.3	1.7%
Natural Gas 2/	264.3	270.1	263.7	280.1	287.0	291.8	294.3	297.8	301.0	304.4	307.8	310.6	314.5	318.0	320.8	324.2	326.8	330.1	333.0	336.0	339.3	340.9	1.2%
Coal	67.1	68.2	64.8	63.8	64.7	65.3	65.8	65.9	66.1	66.1	66.3	66.3	66.7	66.8	66.8	67.0	67.2	67.4	67.7	67.9	68.0	68.0	0.0%
Other 5/	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A
Electricity	560.1	585.6	592.4	588.1	611.2	629.8	644.4	658.0	673.0	681.1	688.1	696.7	705.7	715.7	726.4	736.2	746.1	753.9	764.7	773.4	784.2	793.9	1.5%
Total 3/	1517.2	1561.7	1560.8	1585.1	1638.6	1677.7	1710.0	1738.3	1769.9	1796.5	1821.8	1849.1	1878.8	1905.9	1932.6	1956.8	1981.5	2006.0	2030.6	2054.7	2080.4	2103.2	1.5%
Electricity Generators 6/																							
Petroleum	23.5	19.8	22.8	7.4	12.2	13.9	13.6	12.6	11.0	11.1	10.8	11.9	13.4	16.1	15.7	17.6	18.8	19.4	20.8	22.8	23.4	25.8	1.3%
Natural Gas	51.1	61.1	62.6	70.9	73.8	78.5	81.8	84.3	86.5	91.0	95.5	101.0	106.6	112.3	120.5	126.0	130.9	135.3	139.8	143.3	146.6	148.3	4.5%
Coal	485.5	504.6	507.0	507.4	525.3	537.4	549.1	561.1	575.5	579.1	581.8	583.8	585.6	587.3	590.2	592.7	596.3	599.2	604.1	607.4	614.2	619.8	1.0%
Total	560.1	585.6	592.4	588.1	611.2	629.8	644.4	658.0	673.0	681.1	688.1	696.7	705.7	715.7	726.4	736.2	746.1	753.9	764.7	773.4	784.2	793.9	1.5%
Total by Primary Fuel 7/																							
Petroleum 3/	648.3	657.8	662.7	660.4	687.8	704.6	719.0	729.0	740.8	755.8	770.4	787.4	805.3	821.5	834.2	847.1	860.5	873.1	886.2	900.2	912.3	926.1	1.7%
Natural Gas	315.3	331.2	326.3	351.0	360.8	370.4	376.0	382.1	387.5	395.4	403.3	411.8	421.2	430.3	441.3	450.2	457.7	465.4	472.8	479.3	485.9	489.2	2.0%
Coal	552.6	572.8	571.8	573.6	590.0	602.7	614.9	627.0	641.6	645.2	648.0	650.1	652.3	654.1	657.0	659.4	663.3	666.5	671.8	675.1	682.1	687.8	0.9%
Other 5/	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A
Total 3/	1517.2	1561.7	1560.8	1585.1	1638.6	1677.7	1710.0	1738.3	1769.9	1796.5	1821.8	1849.1	1878.8	1905.9	1932.6	1956.8	1981.5	2006.0	2030.6	2054.7	2080.4	2103.2	1.5%
Carbon Dioxide Emissions (tons carbon equivalent per person)																							
	5.6	5.7	5.6	5.6	5.8	5.9	5.9	6.0	6.0	6.1	6.1	6.2	6.2	6.2	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.5	0.7%

1/ Includes consumption by cogenerators.

2/ Includes lease and plant fuel.

3/ This includes international bunker fuel, which by convention are excluded from the international accounting of carbon dioxide emissions. In the years from 1990 through 1998, international bunker fuels accounted for 25 to 30 million metric tons carbon equivalent of carbon dioxide annually.

4/ Includes pipeline fuel natural gas and compressed natural gas used as vehicle fuel.

5/ Includes methanol and liquid hydrogen.

6/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy. Includes small power producers and exempt wholesale generators. Does not include emissions from the nonbiogenic component of municipal solid waste because under international guidelines these are accounted for as waste, not energy.

7/ Emissions from electric power generators are distributed to the primary fuels.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 1999 and 2000 are model results and may differ slightly from official EIA data reports.

Sources: 1999 and 2000 emissions and emission factors: Energy Information Administration (EIA), Emissions of Greenhouse Gases in the United States 2000.

DOE/EIA-0573(2000) (Washington, DC, November 2001). Projections: EIA, AEG2002 National Energy Modeling System run aeo2002.d102001b.

Table 20. Macroeconomic Indicators (1 of 1)
(Billion 1996 Chain-Weighted Dollars, Unless Otherwise Noted)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
GDP Chain-Type Price Index (1996=1.000)	1.047	1.070	1.094	1.117	1.146	1.175	1.205	1.238	1.270	1.300	1.331	1.362	1.395	1.431	1.468	1.506	1.545	1.586	1.630	1.680	1.735	1.797	2.6%
Real Gross Domestic Product	8857	9234	9319	9524	9848	10132	10450	10738	11056	11453	11876	12319	12763	13175	13573	13987	14417	14860	15315	15748	16171	16561	3.0%
Real Consumption	6968	6258	6413	6553	6765	6972	7193	7377	7564	7797	8043	8290	8554	8805	9056	9318	9591	9880	10182	10476	10775	11053	2.9%
Real Investment	1660	1773	1655	1676	1780	1857	1934	2006	2105	2237	2376	2525	2690	2822	2960	3109	3267	3421	3579	3727	3861	3978	4.1%
Real Government Spending	1532	1573	1632	1681	1707	1732	1757	1781	1805	1831	1860	1895	1920	1942	1966	1993	2019	2044	2069	2095	2120	2152	1.6%
Real Exports	1035	1133	1103	1102	1178	1250	1334	1432	1538	1659	1798	1948	2113	2271	2441	2622	2816	3025	3248	3489	3742	4010	6.5%
Real Imports	1352	1532	1516	1523	1614	1714	1801	1884	1971	2068	2177	2292	2416	2573	2742	2930	3132	3349	3587	3849	4130	4435	5.5%
Real Disposable Personal Income	6320	6539	6772	6927	7195	7409	7630	7796	7970	8224	8495	8758	9044	9338	9624	9911	10204	10517	10819	11111	11419	11685	2.9%
AA Utility Bond Rate (percent)	7.05	7.91	7.37	7.24	7.07	6.84	6.86	6.97	7.08	7.32	7.30	7.16	7.28	7.28	7.32	7.36	7.31	7.53	7.40	7.40	7.46	7.55	-0.2%
Real Yield on Government 10 Year Bonds (percent)	4.75	4.84	3.47	3.30	4.09	4.02	3.86	3.83	3.94	4.30	4.39	4.37	4.57	4.57	4.61	4.67	4.73	5.11	5.11	5.08	5.00	4.93	N/A
Real Utility Bond Rate (percent)	5.52	6.27	5.39	5.06	4.77	4.43	4.29	4.37	4.46	4.77	4.85	4.80	4.92	4.84	4.80	4.77	4.72	4.92	4.73	4.56	4.40	4.24	N/A
Energy Intensity (thousand Btu per 1996 dollar of GDP)	8.20	8.04	7.86	7.93	7.92	7.85	7.75	7.65	7.55	7.41	7.26	7.11	6.98	6.87	6.76	6.65	6.53	6.42	6.30	6.21	6.12	6.04	N/A
Delivered Energy	10.97	10.77	10.56	10.62	10.61	10.53	10.39	10.25	10.09	9.87	9.65	9.45	9.25	9.10	8.95	8.79	8.62	8.47	8.31	8.17	8.05	7.94	-1.5%
Total Energy	1.67	1.72	1.78	1.81	1.86	1.91	1.97	2.02	2.08	2.14	2.20	2.26	2.32	2.38	2.45	2.53	2.60	2.68	2.77	2.86	2.95	3.08	3.0%
Consumer Price Index (1982=1.00)	4.23	4.01	4.78	5.70	5.53	5.28	5.08	5.09	5.12	4.92	4.66	4.52	4.30	4.33	4.42	4.49	4.58	4.56	4.39	4.24	4.11	4.03	0.0%
Unemployment Rate (percent)	2.00	1.82	1.76	1.78	1.81	1.83	1.88	1.94	1.87	1.90	1.91	1.94	1.96	1.92	1.89	1.89	1.91	1.93	1.97	2.00	2.02	2.03	0.5%
Housing Starts (millions)	1.31	1.33	1.28	1.27	1.28	1.38	1.30	1.29	1.30	1.31	1.32	1.34	1.36	1.33	1.31	1.32	1.33	1.34	1.36	1.37	1.38	1.38	N/A
Single-Family	0.34	0.34	0.32	0.30	0.29	0.28	0.28	0.28	0.27	0.28	0.29	0.29	0.30	0.29	0.29	0.30	0.31	0.31	0.33	0.35	0.36	0.37	0.4%
Multifamily	0.35	0.25	0.19	0.21	0.24	0.26	0.27	0.28	0.30	0.31	0.31	0.30	0.30	0.29	0.28	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.6%
Mobile Home Shipments																							
Commercial Floorspace, Total (billion square feet)	63.1	64.5	66.1	67.6	69.0	70.4	71.8	73.0	74.2	75.3	76.5	77.7	78.9	80.2	81.4	82.7	83.9	85.0	86.2	87.4	88.5	89.6	1.7%
Gross Output (billion 1992 dollars)																							
Total Industrial	4794	5062	4969	5102	5334	5521	5708	5848	6007	6181	6368	6589	6801	6981	7177	7358	7542	7718	7908	8114	8305	8467	2.6%
Non-Manufacturing	950	1039	1052	1048	1081	1131	1136	1145	1165	1187	1210	1227	1242	1268	1288	1293	1321	1340	1360	1389	1417	1441	1.6%
Manufacturing	3804	4022	3917	4054	4253	4414	4577	4712	4863	5017	5192	5379	5574	5740	5909	6064	6221	6378	6548	6725	6889	7026	2.8%
Energy Intensive	1057	1100	1092	1117	1143	1166	1186	1187	1205	1219	1239	1256	1280	1298	1315	1329	1343	1359	1374	1389	1403	1414	1.3%
Non-Intensive	2747	2922	2854	2937	3108	3245	3391	3525	3658	3798	3943	4122	4294	4442	4594	4736	4878	5019	5174	5336	5486	5612	3.3%
Unit Sales Light-Duty Vehicles (millions)	16.89	17.36	16.19	16.04	16.99	16.73	16.92	16.85	16.96	17.14	17.26	17.37	17.45	17.58	17.68	17.78	17.90	18.03	18.14	18.24	18.31	18.40	0.9%
Millions of People																							
Population with Armed Forces Overseas	273.2	275.7	278.2	280.7	283.2	285.6	288.1	290.5	293.0	295.4	297.9	300.2	302.7	305.1	307.6	310.1	312.7	315.2	317.7	320.3	322.8	325.3	0.8%
Population (aged 16 and over)	211.6	215.1	215.4	217.8	220.1	222.4	224.8	227.3	229.7	232.1	234.4	236.8	239.2	241.7	244.2	246.7	249.2	251.6	254.1	256.6	259.1	261.6	0.9%
Employment-Non-agriculture	127.5	130.1	130.5	130.8	133.2	135.5	137.7	139.3	140.8	142.4	143.9	145.5	147.1	148.7	149.7	150.6	151.8	152.8	153.6	154.3	154.9	154.9	0.9%
Employment, Manufacturing	17.6	17.5	16.8	16.3	16.4	16.6	16.6	16.5	16.4	16.4	16.3	16.3	16.3	16.1	15.9	15.7	15.6	15.5	15.5	15.4	15.4	15.3	-0.7%
Labor Force	139.4	140.9	141.7	143.3	145.2	147.2	149.3	151.2	152.9	154.3	155.6	156.9	157.9	158.7	159.6	160.5	161.4	162.2	163.0	163.8	164.6	165.3	0.8%

GDP = Gross domestic product.

Btu = British thermal unit.

N/A = Not applicable.

Sources: 1989 and 2000: DRI-WEFA, Simulation CTL0901. Projections: Energy Information Administration, AEC0202 National Energy Modeling System run aec0202.d102001b.

Table 21. International Petroleum Supply and Disposition Summary (1 of 1)
(Million Barrels per Day, Unless Otherwise Noted)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-		
World Oil Price (2000 dollars per barrel) 1/	17.60	27.72	22.48	17.36	17.23	17.31	17.41	17.52	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	17.64	-2.2%	
Production 2/																									
OECD																									
U.S. (50 states)	9.21	9.01	8.87	9.02	8.78	8.66	8.51	8.48	8.52	8.45	8.43	8.32	8.40	8.37	8.02	8.69	8.79	8.96	9.10	9.17	9.07	9.03	9.03	0.0%	
Canada	2.61	2.74	2.82	2.90	2.92	2.94	2.97	3.01	3.03	3.06	3.10	3.14	3.16	3.19	3.21	3.25	3.29	3.31	3.35	3.38	3.41	3.45	3.45	1.2%	
Mexico	3.33	3.53	3.76	3.97	3.98	3.98	3.99	4.00	4.03	4.05	4.07	4.09	4.12	4.15	4.18	4.20	4.22	4.22	4.22	4.22	4.24	4.24	4.25	0.9%	
OECD Europe 3/	8.98	7.95	7.14	7.07	7.13	7.19	7.25	7.31	7.25	7.19	7.13	7.07	7.01	6.95	6.80	6.84	6.78	6.73	6.67	6.61	6.56	6.50	6.50	-0.4%	
Other OECD	0.77	0.97	0.98	0.93	0.92	0.91	0.91	0.90	0.89	0.89	0.88	0.88	0.87	0.87	0.86	0.86	0.85	0.85	0.84	0.84	0.83	0.83	0.83	-0.8%	
Total OECD	22.90	23.30	23.57	23.90	23.74	23.69	23.63	23.71	23.72	23.64	23.61	23.50	23.56	23.52	23.77	23.83	23.92	24.06	24.18	24.23	24.11	24.05	24.05	0.2%	
Developing Countries																									
Other South & Central America	3.80	3.77	3.84	3.92	3.98	4.03	4.09	4.16	4.27	4.39	4.52	4.66	4.79	4.93	5.06	5.21	5.36	5.52	5.69	5.84	6.02	6.20	6.20	2.5%	
Pacific Rim	2.27	2.30	2.39	2.44	2.48	2.51	2.56	2.60	2.58	2.57	2.55	2.54	2.53	2.52	2.51	2.50	2.49	2.47	2.45	2.45	2.44	2.44	2.44	0.3%	
Other Developing Countries	4.79	4.96	4.78	4.88	4.98	5.11	5.26	5.41	5.54	5.71	5.87	6.04	6.20	6.37	6.56	6.74	6.95	7.15	7.34	7.54	7.77	8.02	8.02	2.4%	
Total Developing Countries	40.28	42.07	42.81	44.31	46.42	48.43	50.29	51.84	53.50	55.32	57.26	59.50	61.61	64.01	66.10	68.37	70.73	73.04	75.82	78.37	81.07	83.54	83.54	3.9%	
Eurasia																									
Former Soviet Union	7.32	7.81	8.17	8.43	8.75	9.08	9.44	9.82	10.24	10.68	11.15	11.61	12.08	12.34	12.81	12.90	13.18	13.49	13.87	13.86	14.06	14.25	14.25	3.1%	
Eastern Europe	0.24	0.34	0.25	0.26	0.26	0.27	0.27	0.27	0.26	0.28	0.29	0.29	0.30	0.30	0.31	0.31	0.32	0.32	0.33	0.34	0.34	0.34	0.34	1.8%	
China	3.17	3.35	3.19	3.06	3.05	3.04	3.02	3.01	3.00	2.99	2.98	2.97	2.96	2.96	2.95	2.95	2.94	2.93	2.92	2.91	2.91	2.90	2.89	2.89	-0.8%
Total Eurasia	10.72	11.30	11.61	11.77	12.07	12.38	12.73	13.10	13.51	13.96	14.42	14.87	15.34	15.59	15.86	16.14	16.42	16.74	16.91	17.10	17.29	17.48	17.48	2.2%	
Total Production	73.91	76.66	77.98	79.98	82.23	84.50	86.85	88.65	90.74	92.91	95.29	97.86	100.51	103.12	105.72	108.35	111.08	113.83	116.71	119.69	122.46	125.07	125.07	2.9%	
Consumption																									
OECD																									
U.S. (50 states)	19.53	19.74	19.64	19.84	20.74	21.22	21.63	21.92	22.27	22.70	23.13	23.60	24.13	24.58	24.94	25.30	25.67	26.03	26.39	26.77	27.12	27.52	27.52	1.7%	
U.S. Territories	0.34	0.35	0.36	0.38	0.40	0.42	0.44	0.44	0.45	0.46	0.47	0.47	0.48	0.49	0.49	0.50	0.51	0.51	0.52	0.52	0.53	0.54	0.54	2.3%	
Canada	1.93	1.96	2.03	2.06	2.08	2.11	2.14	2.18	2.21	2.23	2.26	2.28	2.30	2.32	2.33	2.35	2.37	2.38	2.39	2.40	2.40	2.40	2.40	1.0%	
Mexico	1.95	2.03	2.08	2.16	2.24	2.33	2.42	2.51	2.61	2.71	2.82	2.94	3.06	3.18	3.32	3.46	3.61	3.78	3.94	4.13	4.32	4.52	4.52	4.1%	
Japan	5.57	5.54	5.61	5.69	5.80	5.92	5.99	6.04	6.10	6.15	6.20	6.26	6.32	6.37	6.43	6.48	6.53	6.58	6.63	6.67	6.70	6.73	6.73	1.0%	
Australia and New Zealand	0.98	1.00	1.02	1.02	1.03	1.03	1.04	1.05	1.07	1.09	1.11	1.13	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.4%	
OECD Europe 3/	14.49	14.53	14.85	15.29	15.60	15.80	15.93	16.05	16.16	16.26	16.37	16.47	16.57	16.66	16.75	16.83	16.91	16.99	17.08	17.17	17.25	17.34	17.34	0.9%	
Total OECD	44.79	45.16	45.60	46.43	47.90	49.58	50.20	50.86	51.60	52.34	53.15	54.00	54.77	55.45	56.12	56.83	57.52	58.21	58.94	59.64	60.39	60.39	60.39	1.6%	
Developing Countries																									
Other South & Central America	4.18	4.29	4.52	4.65	4.73	4.82	4.91	5.12	5.33	5.55	5.78	6.01	6.25	6.50	6.76	7.03	7.31	7.60	7.90	8.22	8.55	8.89	8.89	3.7%	
Pacific Rim	7.87	8.30	8.86	9.30	9.61	10.03	10.44	10.85	11.26	11.68	12.11	12.56	13.01	13.47	13.95	14.44	14.95	15.46	16.00	16.56	17.04	17.38	17.38	3.8%	
Other Developing Countries	5.68	5.81	5.95	6.02	6.19	6.37	6.55	6.74	6.93	7.13	7.34	7.55	7.77	7.99	8.23	8.47	8.72	8.99	9.23	9.51	9.79	10.08	10.08	2.8%	
Total Developing Countries	2.76	2.85	2.96	3.07	3.15	3.27	3.43	3.60	3.78	3.99	4.21	4.46	4.71	4.98	5.27	5.57	5.90	6.24	6.62	7.02	7.46	7.93	7.93	5.3%	
Total Developing Countries	20.50	21.15	22.28	23.04	23.69	24.48	25.33	26.31	27.30	28.35	29.44	30.58	31.74	32.94	34.20	35.51	36.86	38.28	39.76	41.30	42.83	44.28	44.28	3.8%	
Eurasia																									
Former Soviet Union	3.66	3.86	3.74	3.95	4.34	4.63	4.99	5.09	5.22	5.27	5.47	5.75	6.05	6.31	6.58	6.80	7.05	7.26	7.45	7.65	7.84	8.02	8.02	4.0%	
Eastern Europe	1.53	1.54	1.55	1.56	1.57	1.58	1.59	1.61	1.62	1.64	1.65	1.67	1.68	1.69	1.70	1.71	1.72	1.72	1.73	1.73	1.73	1.74	1.74	0.6%	
China	4.31	4.53	4.70	4.89	5.02	5.28	5.45	5.74	6.03	6.35	6.67	7.01	7.35	7.71	8.09	8.49	8.92	9.37	9.85	10.37	10.69	10.95	10.95	4.8%	
Total Eurasia	9.49	9.73	9.99	10.40	10.93	11.48	12.04	12.44	12.87	13.25	13.80	14.42	15.08	15.71	16.37	17.00	17.69	18.34	19.03	19.75	20.27	20.70	20.70	3.8%	
Total Consumption	74.76	75.99	77.95	80.06	82.53	84.80	86.95	88.96	91.04	93.21	95.59	98.16	100.81	103.42	106.02	108.65	111.38	114.13	117.01	119.99	122.76	125.37	125.37	2.9%	
Non-OPEC Production	44.49	45.62	46.19	46.91	47.25	47.73	48.26	48.97	49.63	50.26	50.97	51.59	52.42	52.93	53.76	54.42	55.14	55.93	56.56	57.16	57.63	58.18	58.18	1.2%	
Net Eurasia Exports	1.23	1.57	1.62	1.37	1.14	0.90	0.70	0.66	0.64	0.70	0.62	0.44	0.28	-0.12	-0.52	-0.86	-1.26	-1.61	-2.13	-2.66	-2.88	-3.22	-3.22	N/A	
OPEC Market Share	0.40	0.40	0.41	0.41	0.43	0.44	0.44	0.45	0.45	0.46	0.47	0.47	0.48	0.49	0.49	0.50	0.52	0.52	0.53	0.53	0.53	0.53	0.53	1.4%	

1/ Average refiner acquisition cost of imported crude oil.

2/ Includes production of crude oil (including lease condensates), natural gas plant liquids, other hydrogen and hydrocarbons for refinery feedstocks, alcohol, liquids produced from coal and other sources, and refinery gains.

3/ OECD Europe includes the unified Germany.

OECD = Organization for Economic Cooperation and Development - Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Japan, Luxembourg, Mexico, the Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, the United Kingdom, and the United States (including territories).
Pacific Rim = Hong Kong, Malaysia, Philippines, Singapore, South Korea, Taiwan, and Thailand.

OPEC = Organization of Petroleum Exporting Countries - Algeria, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela.

Eurasia = Albania, Bulgaria, China, Czech Republic, Hungary, Poland, Romania, Slovakia, the Former Soviet Union, and the Former Yugoslavia.

Note: Totals may not equal sum of components due to independent rounding. Data for 1999 and 2000 are model results and may differ slightly from official EIA data reports.

Sources: 1999 and 2000 data derived from: Energy Information Administration (EIA), Short-Term Energy Outlook, October 2001.

http://www.eia.doe.gov/pub/forecasting/stco/oldstco/oc01.pdf. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.